FIRE LOSSES IN BRITISH COLUMBIA

IN 1998

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FIRE LOSSES IN BRITISH COLUMBIA IN 1998

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Section 1

Introduction

Fire Commissioner's Summary of Fire Losses in 1998 3

Fire Losses in British Columbia in 1998

Of the fires reported to the Fire Commissioner, thirty persons died and 333 were injured in 6,669 fires in 1998 that caused a total dollar loss of $153,788,042. Statistics for the past ten years are shown in Table 1 below.

The dollar amount has decreased in 1998 from losses reported in 1997, $153 million compared to $202 million, while the number of fires has increased to 6,669 in 1998 from 6,384 in 1997. The average loss per fire in 1998 was $23,060, which is down from the $31,684 per fire experienced in 1997.

The number of injured has decreased by forty from 1997 statistics, 333 compared to 373. The figure of 30 deaths for 1998 has been decreased considerably by 11 from 1997's 41 deaths.

Fire Fatalities

- Seventeen men, nine women and four children lost their lives to fire in 1998.
- Ten of the fatalities were persons over 60 years of age, which is a reduction from the previous two years' statistics.
- Five fatalities resulted where the Act or Omission was due to careless smoking, as compared to four reported in 1997.
- One person died as a result of an intentionally set fire in 1998.
- One person suspected of being impaired by alcohol, drugs or medication died in fires in 1998, the same as in 1997.

Year	Fires	Loss ($ millions)	Injured	Fatalities
1998	**6,669**	**153.8**	**333**	**30**
1997	6,384	202.3	373	41
1996	7,487	164.1	432	27
1995	7,281	145.5	414	36
1994	7,435	172.6	428	30
1993	7,562	174.4	409	33
1992	7,660	165.1	479	47
1991	7,671	175.0	416	43
1990	7,455	171.5	464	51
1989	7,280	181.1	387	58

Table 1 - Fire Losses in British Columbia, 1989 - 1998

Residential Fires

Twenty-three percent of all fires in 1998 were in one- and two-family dwellings, resulting in a total loss of $50.9 million as compared to losses totalling $51 million in 1997.

Fires in apartments decreased to 478 in 1998 from 479 in 1997, while dollar losses for apartments increased from $11.4 million in 1997 to $14 million in 1998.

Twenty-six of the 30 fatalities or 87 percent occurred in residential fires. This compares to 1997, when 31 of the 41 fatalities (76 percent) occurred in residential fires.

There were 19 fire deaths that occurred in one- and two-family dwellings and apartment buildings in 1998. Fourteen of these deaths, or 74 percent, occurred between the hours of 10 p.m. and 8 a.m. In 1997, 58 percent of fatalities in one- and two-family dwellings and apartment buildings occurred during these hours.

	1- & 2-family Dwelling	Apartment Building	
Total Number of Fires in Property Group	**1,558**	**478**	
Cooking Fires	**367**	**118**	
As a percentage of all fires in group	23.6	24.7	
As a percentage of total $ loss in property group	10.4	6.2	
Number of fatalities over total in property group	0	0	
Heating Equipment Fires	**215**	**10**	
As a percentage of all fires in group	13.8	2.1	*
As a percentage of total $ loss in property group	13.7	3.6	*
Number of fatalities over total in property group	4/15	0	
Smoking Material Fires	**99**	**104**	
As a percentage of all fires in group	6.4	21.8	*
As a percentage of total $ loss in property group	5.4	14.2	*
Number of fatalities over total in property group	2/15	3/4	
Arson Fires	**222**	**92**	
As a percentage of all fires in group	14.2	19.2	
As a percentage of total $ loss in property group	18.2	17.6	
Number of fatalities over total in property group	1/15	0	

Table 2 - Comparison of one- and two-family dwellings and apartment fire incidents. The asterisks highlight significant differences between the two occupancies.

Smoke Alarms were not installed in four of the 19 fire fatalities that occurred in 1998 in one- and two-family dwellings and apartment buildings. Two deaths resulted from a smoke alarm having either dead or no battery. There were no reported incidents of fatalities occurring where the AC power was not connected to the smoke alarm. In eight fatalities, smoke alarm function could not be determined.

Heating equipment fires accounted for 13.8 percent of all fires in one- and two-family dwellings but only 2.1 percent of fires in apartment buildings. Of all heating equipment fires in one- and two-family dwellings, 61.4 percent were caused by solid-fuel burning equipment. The igniting objects for these solid-fuel fires are shown in Table 3 below. This compares with 1997, when 58.7 percent of fires in one- and two-family dwellings were attributed to solid-fuel burning equipment.

Igniting Object	Fires	Injured	Fatalities	$ Loss
Central heating unit	29	5	0	665,702
Service water heater	12	6	1	268,205
Space heater	47	1	0	1,646,136
Fireplace	40	0	0	1,012,812
Masonry chimney	40	0	0	788,856
Factory-built metal chimney	29	0	0	1,633,831
Flue connector	7	1	0	87,700
Heating equipment, other	11	2	3	883,317
1998 Total	**215**	**15**	**4**	**6,986,559**

Table 3 - Igniting objects for solid-fuel related fires in one- and two-family dwellings

Smoker's material accounted for 6.4 percent of one- and two-family dwelling fires and 21.8 percent in apartment fires. The comparable figures in 1997 were 4.8 percent and 17.7 percent respectively.

Educational Institutions

There were 97 fires in educational occupancies in 1998. This has gone up from 91 in 1997. Dollar losses in 1998 amounted to $0.9 million drastically less than in 1997 when losses were $7.7 million.

Automobile Fires

Automobile fires continue to represent a significant portion of all fires in British Columbia. In 1998, a total of 2,619 fires resulted in a loss of $13.2 million.

This is an increase of $1.6 million from losses in 1997. These fires accounted for 39 percent of all fires in the province and nine percent of total dollar losses. In 1997, 2,503 automobile fires resulted in a loss of $11.6 million.

Large Dollar Loss Fires

There were 48 fires in which individual losses were $500,000 or more, accounting for $43.3 million in losses, or 28 percent of total losses from all fires. In 1997, large loss fires accounted for 47 percent of the total dollar losses in the province.

The fire with the largest dollar loss of $2.9 million started in a multi-unit apartment with undetermined cause of ignition. The second largest fire of $2 million dollar loss, resulted from a part failure in a transformer located in the ceiling area of an appliance store and the third largest being a small apartment complex caused by suspected faulty connections involving copper wiring and sustaining $1.6 million.

Ten of the fires in this large-loss category resulted from arson or suspected arson, with losses of $8.6 million, or 20 percent of the total losses in this category. In 1997, there were 30 large loss fires of which 7 were arson or suspected arson, accounting for 10 percent of the losses in this category.

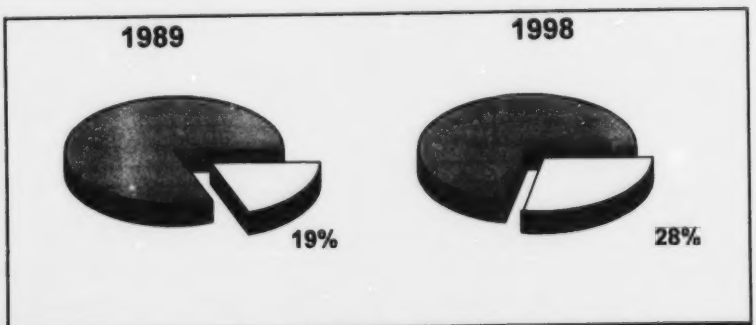
As in past years, large loss fires continue to make up less than one percent of all fires but continue to represent a significant portion of total dollar losses in the province.

Arson

Arson fires for 1998 have increased from 1997 arson fires recorded. Of the 6,669 fires in 1998, there were 1,841 (or 27.6 percent) reported as arson or suspected arson. This is a 0.1 percent increase from 1997. Arson fires for 1998 are tabulated in Table 4.

Arson and suspected arson fires resulted in losses of $37.1 million, or 24.1 percent of total losses in 1998. This figure has increased from $30.8 million in 1997.

The percentage of arson and suspected arson fires over all other fires in the province has increased in the last decade. This upward trend is represented in the following chart:



Comparison showing percentage increase of arson fires over the past decade.

According to statistics compiled by the Ministry of Attorney General, 2,713 arson related offences were reported from police throughout B.C. in 1998. The total reported cases, which includes mischief fire offences, represents a 6.2 percent increase over the previous year.

Concluded offences in 1998 decreased to 351, from 354 offences in 1997. 75 adults and 71 juveniles were formally charged. In addition, 183 juveniles were dealt with by police on an informal basis.

The fire reporting system shows a total of 1,841 arson and suspected set fires for the year (see Table 4), as compared to the 2,713 cases reported to the Ministry of Attorney General.

Act or Omission	Fires	Injured	Fatalities	$ Loss
Arson for financial gain	13	0	0	138,656
Arson as a cover-up crime	131	0	0	2,431,986
Arson - political, religious motive	1	0	0	600
Arson for revenge, spite	24	2	1	841,610
Arson - mental disorder, suicide	21	0	0	328,371
Arson - vandalism, mischief	500	1	0	5,575,528
Arson - intimidation	6	0	0	22,500
Arson - motive unknown	581	16	0	13,398,225
Suspect arson - motive unknown or unclassified	564	17	0	14,387,616
1998 Total	**1,841**	**36**	**1**	**37,125,092**

Table 4 - Breakdown of Arson or Suspected Arson Fires

A partial reason is that the fire reporting system defines a "fire" as an incident involving combustion that results in a dollar loss. Many minor fires involve no dollar loss and thus are not reported, but they can involve the judicial system and therefore are included in their statistics of arson offences.

Rick Dumala, P.Eng.
Fire Commissioner

Section 2

Fire Casualties

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FIRE LOSSES AND CASUALTIES BY MONTH

Month	Fires	$ Loss	Injured	Fatalities
January	561	14,211,430	33	1
February	487	15,013,429	19	2
March	518	10,655,944	34	5
April	590	15,636,153	26	2
May	561	17,342,844	22	6
June	510	13,635,228	27	4
July	607	11,461,110	26	1
August	609	14,013,531	23	3
September	538	9,037,781	24	1
October	605	12,113,482	35	0
November	523	8,614,652	29	0
December	560	12,052,458	35	5
	6,669	**153,788,042**	**333**	**30**

STATUS, AGE AND GENDER OF CASUALTY

	Fires	Injured	Fatalities
Status of Casualty			
Firefighter	60	75	0
Civilian	235	258	30
Age of Casualty			
Unknown	62	58	4
Birth - 2 years	4	2	2
3 - 4 years	2	1	1
5 - 6 years	6	5	1
7 - 8 years	2	2	0
9 - 10 years	1	1	0
11 - 12 years	1	1	0
13 - 14 years	4	4	0
15 - 16 years	6	6	0
17 - 18 years	5	5	0
19 - 20 years	11	10	2
21 - 30 years	65	69	2
31 - 40 years	55	56	3
41 - 50 years	54	54	2
51 - 60 years	22	22	3
61 - 70 years	15	11	5
71 - 80 years	11	8	4
81 - 90 years	6	7	0
over 90 years	7	6	1
Gender of Casualty			
Male	231	247	19
Female	84	86	11

Circumstances Contributing to Fire Casualties

CODE	DESCRIPTION	FIRES	INJURED	DEAD	$LOSS
Nature of Casualty					
FC001	Death	24	0	30	2,017,971
FC002	Light Injury	100	116	0	9,236,044
FC003	Minor Injury	156	186	0	10,963,979
FC004	Serious Injury	28	31	0	1,401,970
	TOTALS		**333**	**30**	
Condition of Casualty					
FC010	Condition of Casualty Unknown	44	42	12	2,556,465
FC011	Asleep At Time of Fire	42	49	8	4,146,450
FC012	Bedridden Or Other Physical Handicap	2	1	1	110,300
FC013	Impairment by Alcohol, Drugs, Or Medication	19	15	4	1,368,705
FC014	Awake Or No Physical Or Mental Impairment At Time	158	182	2	12,641,595
FC015	Under restraint or detention	0	0	0	0
FC016	Too Young to React to Fire	5	4	1	283,000
FC017	Mental Handicap - Includes Senility	0	0	0	0
FC018	Left Unattended (Infant)	2	1	1	185,000
FC019	Condition of Casualty - Unclassifed	37	39	1	2,254,549
	TOTALS		**333**	**30**	
Action of Casualty					
FC020	Action of Casualty Unknown	62	59	20	2,665,622
FC021	Injured While Attempting to Escape	45	54	4	4,684,478
FC022	Over-exertion, Heart Attack	6	6	0	1,031,005
FC023	Voluntarily Entered Or Remained for Rescue Purpose	7	8	0	39,444
FC024	Voluntarily Entered Or Remained for Fire Fighting	98	113	0	8,382,030
FC025	Voluntarily Entered Or Remained to Save Personal Property	17	19	0	763,950
FC026	Loss of Judgement Or Panic	14	13	1	317,165
FC027	Received Delayed Warning	1	1	0	105,000
FC028	Did Not Act	13	13	0	128,655
FC029	Action of Casualty - Unclassifed	47	47	5	4,760,215
	TOTALS		**333**	**30**	

CODE	DESCRIPTION	FIRES	INJURED	DEAD	$LOSS
Ignition of Fabric					
FC030	Not Applicable	217	256	16	17,367,520
FC031	Outer Clothing	29	29	3	1,150,939
FC032	Sleepwear	5	5	1	236,400
FC033	Underclothing	1	0	1	21,000
FC034	Costume	0	0	0	0
FC035	Bedding Or Bed Linen	9	8	2	205,500
FC036	Mattress Or Pillow	3	3	0	1,400
FC037	Upholstered Furniture	2	2	0	105,500
FC038	Rugs	3	3	0	10,105
FC039	Ignition of Fabric - Unclassified	30	27	7	2,938,000
	TOTALS		**333**	**30**	
Type of Fabric					
FC040	Not Applicable	222	263	17	17,861,825
FC041	Cotton	11	9	2	83,470
FC042	Wool	1	1	0	30
FC043	Other Natural Fibre	0	0	0	0
FC045	Synthetic Fibre	14	11	3	719,400
FC046	Mixture of Fibres	25	28	2	1,188,850
FC047	Rubber	0	0	0	0
FC048	Plastic or Plastic Foam	1	1	0	3,000
FC049	Type of Fabric - Unclassified	22	20	6	1,723,389
	TOTALS		**333**	**30**	
Cause of Failure to Escape					
FC050	Unknown	89	90	14	5,302,058
FC051	Trapped by Rapid Spread of Fire/smoke Through Vertical Openings	8	16	1	1,538,477
FC052	Trapped by Rapid Spread of Fire/smoke Through Horizontal Openings	7	8	2	990,700
FC053	High Flame Spread of Combustible Finish of Walls, Ceilings or Floors	8	6	3	658,580
FC054	Building Collapse	0	0	0	0
FC055	Falling Debris	0	0	0	0
FC056	Explosion	9	8	2	302,561
FC057	Exit Locked, Blocked Or Obstructed	3	4	1	136,200
FC058	Outdoor Fire Includes Forest/brush Fires	4	5	0	11,100
FC059	Cause of Failure to Escape - Unclassified	169	196	7	13,047,988
	TOTALS		**333**	**30**	

Section 3

Fire Loss Trends, 1989 - 1998

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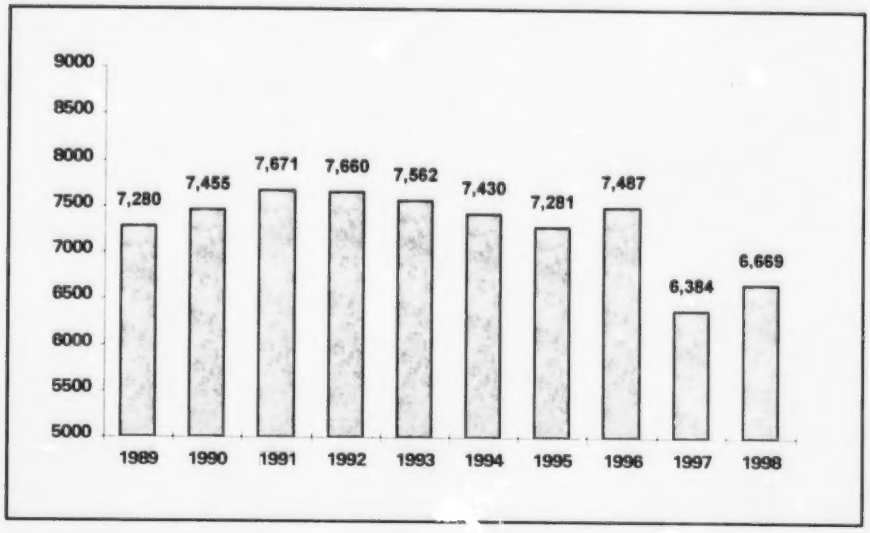
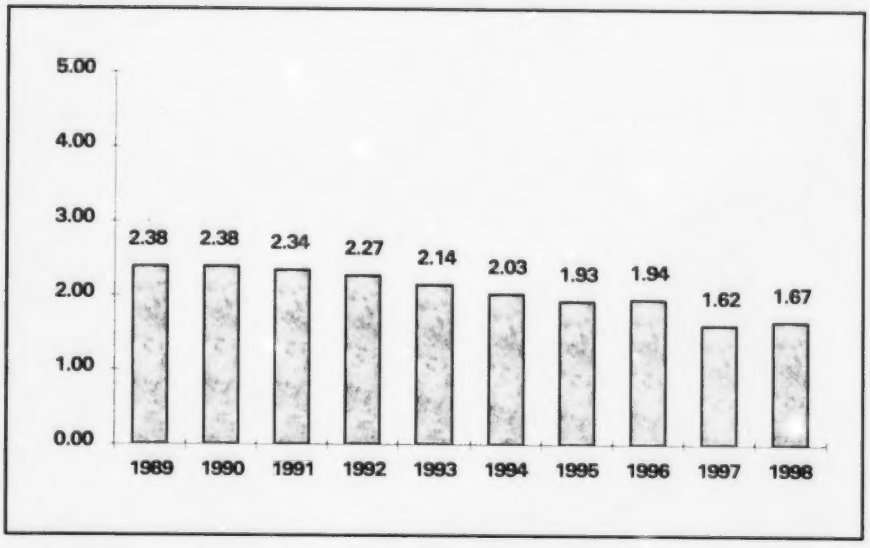
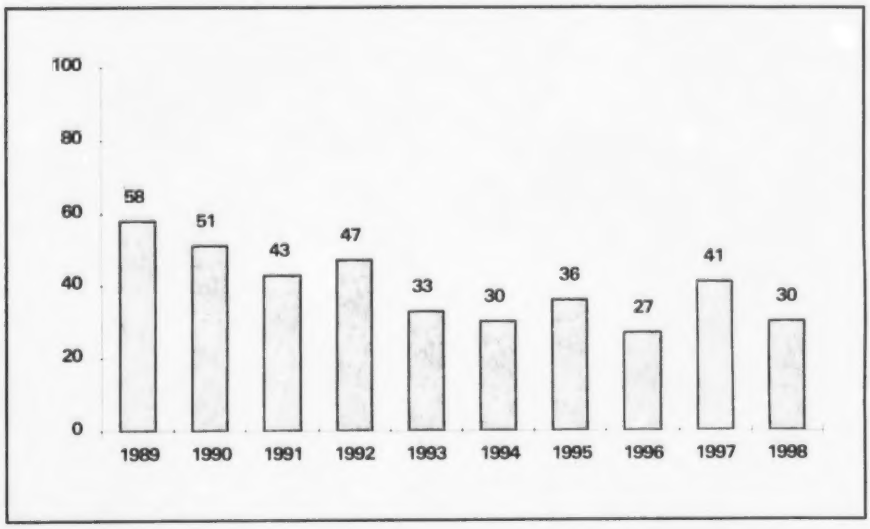
Number of Fires



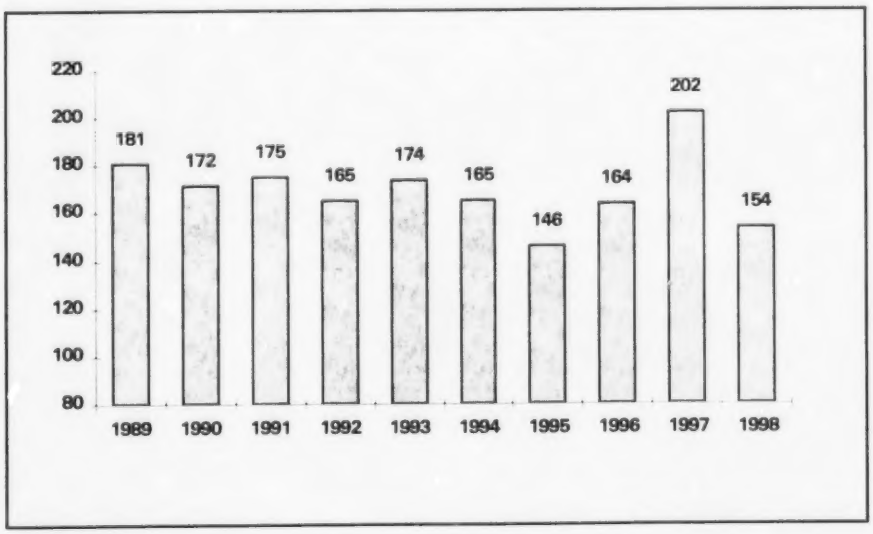
Number of Fires Per 1,000 Persons



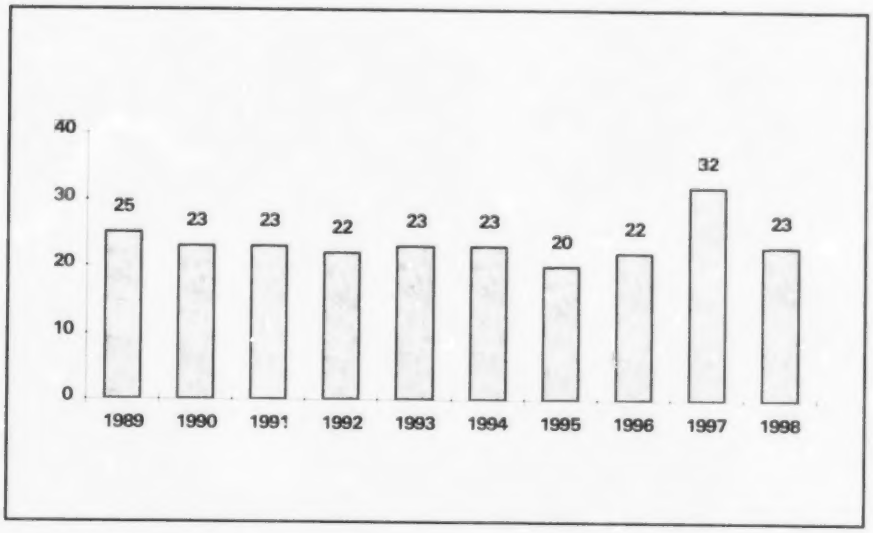
Fire Fatalities



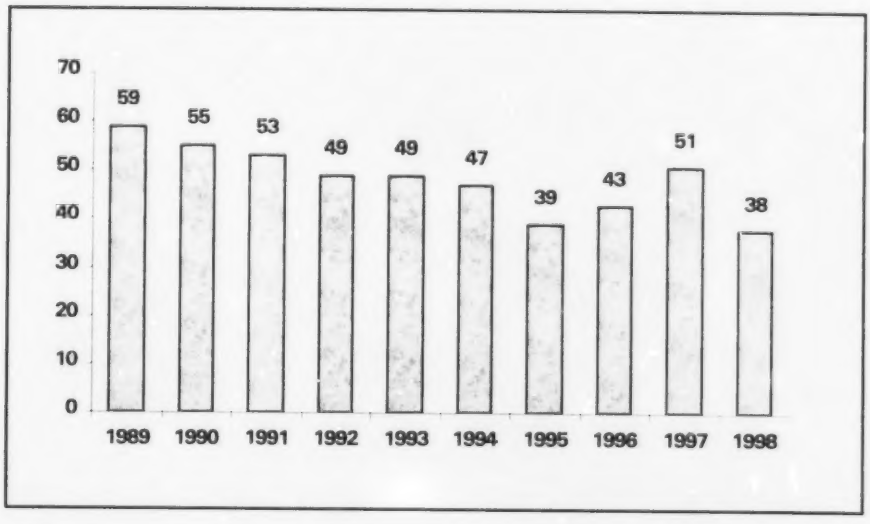
Dollar Losses (in millions)



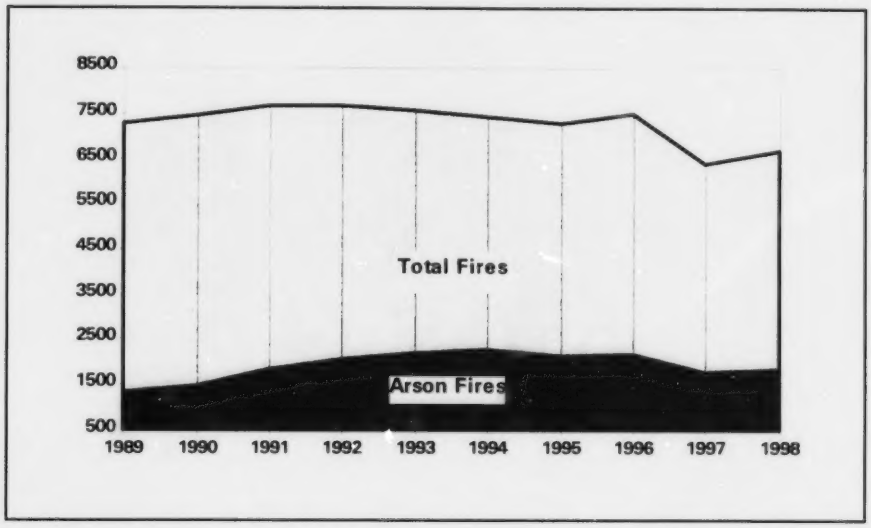
Average Loss Per Fire
(in thousands)



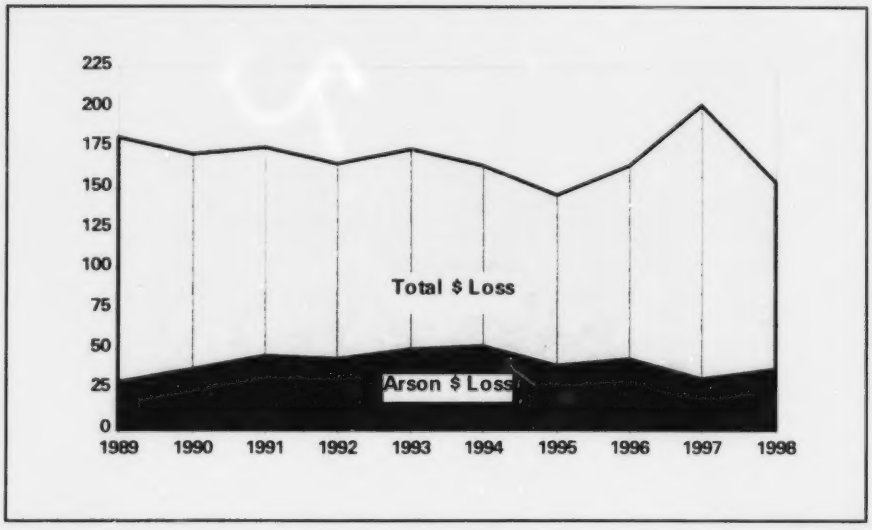
Per Capita Losses
(dollars)



Arson Fires



Arson Dollar Losses (in millions)



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Fire Losses for Specific Locations

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Fire Losses in Municipal Areas

Loc Code	Municipality	Population	Fires	Injured	Fatalities	$ Loss	Loss Per Fire	Per Capita Loss	Fires Per 1000 Persons
CAB	Abbotsford	113,375	391	26	1	6,851,955	17,524	60.44	3.45
CAR	Armstrong	4,196	7	0	1	302,082	43,155	71.99	1.67
CBU	Burnaby	189,183	313	18	2	9,050,205	28,914	47.84	1.65
CCA	Castlegar	7,388	21	0	0	284,253	13,536	38.47	2.84
CCL	Colwood	14,732	13	1	0	217,150	16,704	14.74	.88
CCO	Courtenay	19,209	27	1	0	233,948	8,665	12.18	1.41
CCQ	Coquitlam	110,423	107	3	0	1,919,897	17,943	17.39	.97
CCR	Cranbrook	19,542	24	1	0	1,349,360	56,223	69.05	1.23
CDA	Dawson Creek	11,796	22	0	0	914,205	41,555	77.50	1.87
CDU	Duncan	4,899	11	0	0	15,936	1,449	3.25	2.25
CEN	Enderby	2,912	7	0	0	378,300	54,043	129.91	2.40
CFE	Fernie	5,107	1	0	0	1,000	1,000	.20	.20
CGF	Grand Forks	4,298	1	0	0	4,370	4,370	1.02	.23
CGR	Greenwood	792	2	0	0	50,000	25,000	63.13	2.53
CJO	Fort St. John	16,295	31	2	0	1,629,213	52,555	99.98	1.90
CKA	Kamloops	81,737	116	5	0	1,254,031	10,811	15.34	1.42
CKE	Kelowna	97,200	141	6	0	3,781,876	26,822	38.91	1.45
CKI	Kimberley	6,938	7	0	0	61,770	8,824	8.90	1.01
CLA	Langley City	24,094	34	2	0	692,147	20,357	28.73	1.41
CME	Merritt	8,126	21	2	0	1,391,662	66,270	171.26	2.58
CNA	Nanaimo	75,626	98	6	1	1,923,066	19,623	25.43	1.30
CNE	Nelson	9,716	23	3	0	918,262	39,924	94.51	2.37
CNO	North Vancouver City	44,428	136	3	0	1,315,652	9,674	29.61	3.06
CNW	New Westminster	53,575	100	9	0	728,817	7,288	13.60	1.87
CPA	Port Alberni	19,499	65	3	0	726,640	11,179	37.27	3.33
CPC	Port Coquitlam	50,799	84	1	0	1,591,897	18,951	31.34	1.65
CPE	Penticton	32,526	44	2	1	1,010,902	22,975	31.08	1.35
CPG	Prince George	80,801	159	3	0	3,757,312	23,631	46.50	1.97
CPO	Port Moody	23,134	15	1	0	264,500	17,633	11.43	.65
CPR	Prince Rupert	17,164	22	1	0	1,164,884	52,949	67.87	1.28
CQU	Quesnel	8,984	41	0	0	612,816	14,947	68.21	4.56
CRE	Revelstoke	8,318	8	0	0	185,242	23,155	22.27	.96
CRI	Richmond	161,957	353	8	0	8,681,670	24,594	53.60	2.18
CRO	Rossland	3,849	3	0	0	241,000	80,333	62.61	.78
CSY	Surrey	332,244	630	24	2	15,192,346	24,115	45.73	1.90
CTR	Trail	7,767	7	0	0	50,200	7,171	6.46	.90
CVA	Vancouver	552,481	1,051	100	0	15,509,472	14,757	28.07	1.90
CVE	Vernon	34,332	42	3	0	1,587,395	37,795	46.24	1.22
CVI	Victoria	75,990	80	9	2	1,607,744	20,097	21.16	1.05
CWI	Williams Lake	11,277	24	1	0	399,904	16,663	35.46	2.13
CWR	White Rock	17,689	7	2	0	53,800	7,686	3.04	.40
DCA	Campbell River	31,404	48	0	0	1,153,683	24,035	36.74	1.53
DCD	Chetwynd	2,954	1	0	0	10,000	10,000	3.39	.34
DCE	Central Saanich	15,475	5	0	0	253,000	50,600	16.35	.32
DCH	Chilliwack	64,484	121	2	0	3,736,981	30,884	57.95	1.88
DCO	Coldstream	9,539	6	0	0	74,024	12,337	7.76	.63
DDE	Delta	101,018	187	9	0	3,048,668	16,303	30.18	1.85
DES	Esquimalt	16,648	22	1	0	182,035	8,274	10.93	1.32
DHH	Hudson's Hope	1,148	1	0	0	10,000	10,000	8.71	.87

Loc Code	Municipality	Population	Fires	Injured	Fatalities	$ Loss	Loss Per Fire	Per Capita Loss	Fire Per 1000 Persons
DHO	Houston	4,330	2	0	0	9,734	4,867	2.24	.46
DHP	Hope District	6,806	7	0	0	289,245	41,321	42.50	1.03
DKE	Kent	5,246	21	1	0	630,070	30,003	120.10	4.00
DKI	Kitimat	11,692	30	1	0	371,235	12,375	31.75	2.57
DLA	Langley Township	87,595	172	7	3	3,606,877	20,970	41.18	1.96
DLC	Lake Country	9,515	4	0	0	52,000	13,000	5.47	.42
DLF	Langford District	19,386	34	0	0	244,400	7,188	12.61	1.75
DLI	Lillooet	3,014	9	1	0	1,319,800	146,644	437.89	2.99
DMA	Mackenzie	6,290	5	0	0	86,862	17,372	13.81	.79
DMI	Mission	32,528	68	2	0	3,410,192	50,150	104.84	2.09
DMR	Maple Ridge	60,987	13	0	0	151,826	11,679	2.49	.21
DNC	North Cowichan	27,085	22	1	2	1,075,711	48,896	39.72	.81
DNH	New Hazelton	851	4	0	0	135,000	33,750	158.64	4.70
DNS	North Saanich	10,936	12	1	0	239,495	19,958	21.90	1.10
DNV	North Vancouver	85,292	68	3	0	1,036,544	15,243	12.15	.80
DOB	Oak Bay	18,142	11	0	0	582,400	52,945	32.10	.61
DPE	Peachland	4,795	5	0	0	151,021	30,204	31.50	1.04
DPH	Port Hardy	5,377	3	0	0	90,300	30,100	16.79	.56
DPI	Pitt Meadows	14,504	1	0	0	12,000	12,000	.83	.07
DPR	Powell River	13,930	22	1	0	395,580	17,981	28.40	1.60
DSA	Saanich	106,839	138	13	1	1,393,730	10,099	13.05	1.29
DSD	Sparwood	4,156	10	3	0	224,500	22,450	54.02	2.41
DSE	Sechelt	8,254	8	1	0	303,000	37,875	36.71	.97
DSI	Sicamous	3,149	3	0	0	50,000	16,667	15.88	.95
DSL	Summerland	10,895	6	3	3	198,186	33,031	18.19	.55
DSM	Salmon Arm	16,193	58	0	0	1,136,350	19,592	.07	3.58
DSP	Spallumcheen	5,684	13	0	0	451,700	34,746	79.47	2.29
DSQ	Squamish	15,337	27	0	0	219,080	8,114	14.28	1.76
DTE	Terrace	13,788	15	0	0	101,044	6,736	7.33	1.09
DTU	Tumbler Ridge	3,469	4	0	0	138,500	34,625	39.93	1.15
DVF	Vanderhoof	4,728	3	0	0	243,870	81,290	51.58	.63
DWH	Whistler	9,167	37	0	0	1,022,750	27,642	111.57	4.04
DWS	Wells	272	1	0	0	10,100	10,100	37.13	3.68
DWV	West Vancouver	42,664	68	5	0	434,416	6,388	10.18	1.59
TCO	Comox	11,942	17	0	0	428,757	25,221	35.90	1.42
TCR	Creston	5,132	14	0	0	186,470	13,319	36.33	2.73
TFO	Fort Nelson	4,780	19	1	0	254,405	13,390	53.22	3.97
TGO	Golden	4,166	1	0	0	600	600	.14	.24
TLA	Ladysmith	6,881	9	0	0	208,763	23,196	30.34	1.31
TPA	Parksville	10,251	20	4	0	1,941,443	97,072	189.39	1.95
TPM	Port McNeill	3,104	5	2	0	57,253	11,451	18.44	1.61
TPR	Princeton	2,967	4	0	0	147,000	36,750	49.54	1.35
TSI	Sidney	11,237	6	0	0	28,400	4,733	2.53	.53
TSM	Smithers	6,062	11	0	0	404,097	36,736	66.66	1.81
TVR	View Royal	7,030	16	1	0	58,300	3,644	8.29	2.28
VAS	Ashcroft	1,950	2	0	0	4,783	2,392	2.45	1.03
VBU	Burns Lake	1,887	3	0	0	77,201	25,734	40.91	1.59
VCA	Cache Creek	1,154	2	0	0	21,000	10,500	18.20	1.73
VCU	Cumberland	2,749	6	0	0	6,730	1,122	2.45	2.18
VFL	Fraser Lake	1,330	2	0	0	30,400	15,200	22.86	1.50
VFR	Fruitvale	2,172	1	0	0	4,377	4,377	2.02	.46
VGI	Granisle	459	3	0	0	1,650	550	3.59	6.54
VGL	Gibsons	3,919	3	0	0	59,542	19,847	15.19	.77
VGO	Gold River	1,950	1	0	0	18,000	18,000	9.23	.51

Loc Code	Municipality	Population	Fires	Injured	Fatalities	$ Loss	Loss Per Fire	Per Capita Loss	Fire Per 1000 Persons
VHA	Hazelton	369	3	0	0	137,063	45,688	371.44	8.13
VHM	100 Mile House	2,075	1	0	0	7,000	7,000	3.37	.48
VIN	Invermere	2,936	1	0	0	10,000	10,000	3.41	.34
VKE	Keremeos	1,192	5	0	0	4,850	970	4.07	4.19
VLL	Logan Lake	2,589	3	0	0	13,500	4,500	5.21	1.16
VLU	Lumby	1,798	7	1	0	195,500	27,929	108.73	3.89
VLY	Lytton	326	1	0	0	5,000	5,000	15.34	3.07
VMA	Masset	1,068	3	1	0	64,345	21,448	60.25	2.81
VMB	McBride	774	5	0	0	613,551	122,710	792.70	6.46
VMI	Midway	692	2	0	0	42,000	21,000	60.69	2.89
VNA	Nakusp	1,835	9	0	0	18,347	2,039	10.00	4.90
VND	New Denver	603	2	0	0	1,200	600	1.99	3.32
VOL	Oliver	4,448	4	0	0	74,310	18,578	16.71	.90
VOS	Osoyoos	4,392	6	0	0	241,955	40,326	55.09	1.37
VPC	Pouce Coupe	946	5	2	0	265,000	53,000	280.13	5.29
VPD	Port Edward	778	2	0	0	109,000	54,500	140.10	2.57
VPO	Port Alice	1,342	2	0	0	82,050	41,025	61.14	1.49
VQB	Qualicum Beach	7,385	2	0	0	30,334	15,167	4.11	.27
VRS	Radium Hot Springs	581	3	0	0	5,750	1,917	9.90	5.16
VSA	Salmo	1,278	4	0	0	171,501	42,875	134.19	3.13
VSD	Sayward	452	2	0	0	32,538	16,269	71.99	4.42
VSI	Silverton	250	1	0	0	1,500	1,500	6.00	4.00
VSJ	Fort St. James	2,118	1	0	0	14,480	14,480	6.84	.47
VTA	Tahsis	903	1	0	0	4,500	4,500	4.98	1.11
VTE	Telkwa	1,403	1	0	0	38,874	38,874	27.71	.71
VTO	Tofino	1,382	5	0	0	297,997	59,599	215.63	3.62
VTR	Taylor	1,134	5	0	0	53,000	10,600	46.74	4.41
VUC	Ucluelet	1,740	3	0	0	127,850	42,617	73.48	1.72
VWA	Warfield	1,827	3	0	0	10,500	3,500	5.75	1.64
VZE	Zeballos	243	1	0	0	50,000	50,000	205.76	4.12
	TOTALS	3,419,945	5,822	313	19	122,855,456	3,281,339	6,981.16	257.99

Note: The following Municipalities did not report fires in 1998.

Alert Bay
Anmore
Belcarra
Chase
Clinton
Elkford
Harrison Hot Springs
Highlands
Lake Cowichan
Lions Bay
Metchosin
Montrose
Pemberton
Port Clements
Slocan
Stewart
Valemount

Fire Losses in Non-Municipal Areas

Loc Code	Community	Fires	Injured	Fatalities	$ Loss	Loss/Fire
Non-Municipal Areas With Fire Protection						
NAG	Armstrong	1	0	0	12,700	12,700
NAL	Anahim Lake	1	0	0	65,000	65,000
NAS	Ashcroft	1	0	0	15,000	15,000
NAT	Atlin	1	0	0	5,000	5,000
NBD	Barnfield	1	0	0	25,000	25,000
NBG	Burns Lake	3	0	0	98,500	32,833
NBI	Bowen Island	7	1	0	304,000	43,429
NBL	Beaverdell	1	0	0	329,000	329,000
NBO	Boston Bar	1	0	0	20,000	20,000
NBU	Bouchie Lake	9	0	0	131,400	14,600
NBW	Bowhorn Bay/Bowser	2	0	0	40,100	20,050
NBX	Barlow Creek	4	0	0	458,900	114,725
NCA	Campbell River	1	0	0	1,593	1,593
NCB	Cowichan Bay	1	0	0	2,260	2,260
NCC	Cherry Creek (Van. Isl.)	4	0	0	175,567	43,892
NCE	Creston	5	0	1	58,025	11,605
NCF	Canal Flats	2	0	0	48,000	24,000
NCK	Charlie Lake	1	0	0	40,000	40,000
NCM	Comox	4	0	0	75,800	18,950
NCN	Canyon Lister	6	0	0	71,000	11,833
NCO	Coombs/Hillier	2		0	78,188	39,094
NCQ	Courtenay	19	0	0	82,308	4,332
NCR	Cranbrook	1	0	0	2,000	2,000
NCT	Christina Lake	4	0	0	29,200	7,300
NCU	Chilliwack River Valley	2	0	0	71,968	35,984
NCX	Clearwater	2	1	0	106,000	53,000
NDA	Dawson Creek	5	0	0	214,500	42,900
NDE	Deka Lake	1	0	0	170,000	170,000
NDI	Denman Island	2	0	0	43,000	21,500
NDR	Enderby	1	0	0	8,000	8,000
NDS	Dease Lake	1	0	0	50,000	50,000
NDU	Duncan	6	0	0	302,017	50,336
NES	Ness Lake	2	0	0	16,524	8,262
NFE	Fernie	1	0	0	55,000	55,000
NFH	Fairmont Hot Springs	1	0	0	5,000	5,000
NFJ	Fort St. John	5	0	0	165,650	33,130
NFN	Fort Nelson	17	0	0	419,500	24,676
NGE	Genelle	2	0	0	113,000	56,500
NGI	Gabriola Island	4	0	0	297,170	74,293
NGN	Gibsons	4	0	1	236,450	59,113
NGR	Grand Forks Rural	2	0	0	9,656	4,828
NHE	Hedley	2	0	0	16,000	8,000
NHI	Hornby Island	1	0	0	9,999	9,999
NJA	Fort St. James	2	0	0	2,000	1,000
NKA	Kaleden	1	0	0	150,000	150,000
NKB	Kootenay Boundary	6	2	0	82,241	13,707

Loc Code	Community	Fires	Injured	Fatalities	$ Loss	Loss/Fire
NKI	North Westside Road	1	0	0	5,000	5,000
NKP	Kamloops	8	0	0	171,911	21,489
NKS	Kaslo	1	0	0	25,000	25,000
NLB	Lone Butte/Horse Lake	4	0	0	517,000	129,250
NMA	Malahat	1	0	0	6,000	6,000
NMB	Mill Bay	4	0	0	20,408	5,102
NMF	Manning Park	1	0	0	8,778	8,778
NMK	Malakwa	2	0	0	53,000	26,500
NMR	Merritt	2	0	0	22,918	11,459
NMT	Moricetown	1	0	0	200	200
NNA	Nanoose Bay	3	0	0	10,500	3,500
NNC	North Cedar	1	0	0	35,000	35,000
NND	Nelson	7	1	0	173,754	24,822
NNF	North Fraser	1	0	0	9,600	9,600
NNI	Nicholson	5	0	0	238,000	47,600
NNK	Nakusp Rural	2	0	0	1,001,500	500,750
NNO	North Oyster	1	0	1	1,000	1,000
NNP	North Pender Island	2	0	0	620,000	310,000
NNR	Naramata	4	0	0	67,020	16,755
NNV	North Vancouver District	1	0	0	485	485
NOC	Ocean Falls	2	0	0	2,001	1,001
NOF	Okanagan Falls	1	0	0	572	572
NOO	100 Mile House	5	0	0	175,000	35,000
NOP	Otter Point	1	0	0	55,000	55,000
NOR	Oyster River	5	0	0	177,000	35,400
NOS	Okanagan Similkameen	3	2	0	400,000	133,333
NPA	Passmore	5	0	0	26,721	5,344
NPC	Pass Creek	3	1	0	108,000	36,000
NPE	Penticton	5	0	0	196,560	39,312
NPF	Port Alberni	2	0	0	5,500	2,750
NPN	Panorama	1	0	0	50,000	50,000
NPT	Princeton	2	0	0	706,000	353,000
NPV	Pineview	8	0	0	135,350	16,919
NQR	Quesnel	18	1	0	426,458	23,692
NRC	Roberts Creek	1	1	0	13,000	13,000
NRE	Revelstoke	2	0	0	51,390	25,695
NRO	Robson	2	0	0	39,702	19,851
NSA	South Pender Island	1	0	0	800	800
NSC	Scotch Creek/Lee Creek	1	0	0	14,300	14,300
NSE	Shawnigan Lake	5	0	0	291,696	58,339
NSF	Salt Spring Island	12	0	1	423,416	35,285
NSG	South Galiano	2	0	0	30,600	15,300
NSH	South Hazelton	1	0	0	643	643
NSN	Shalath	1	0	0	15,000	15,000
NSO	Sproat Lake	3	0	3	282,000	94,000
NSR	Sorrento	9	0	0	753,000	83,667
NSS	Silver Star	1	0	0	25,000	25,000
NST	Sointula	6	0	0	5,000	833
NSW	Swan Lake	8	0	1	313,200	39,150
NSY	Southside	2	0	0	285,000	142,500

Loc Code	Community	Fires	Injured	Fatalities	$ Loss	Loss/Fire
NSZ	Sooke	3	0	0	140,000	46,667
NTG	Spences Bridge	1	0	0	1,200	1,200
NTH	Thornhill	3	0	0	16,012	5,337
NTM	Ten Mile	4	0	0	145,000	36,250
NUB	Union Bay	1	0	0	30,000	30,000
NVF	Vanderhoof	1	0	0	500	500
NWC	Winlaw	4	0	0	6,510	1,628
NWE	Westbank	27	0	0	1,001,500	37,093
NWG	Wildwood	3	0	0	152,400	50,800
NWK	Williams Lake	14	1	0	518,211	37,015
NWQ	West Fraser	3	0	0	24,500	8,167
NYM	Ymir	1	0	0	172,300	172,300
NYS	Shirley	1	0	0	18,000	18,000

Fire Losses in Non-Municipal Areas

Loc Code	Community	Fires	Injured	Fatalities	$ Loss	Loss/Fire
Non-Municipal Areas With No Fire Protection (grouped together into respective regional districts)						
RAC	Alberni-Clayoquot	17	0	0	472,092	27,770
RBN	Bulkely-Nechako	33	1	0	2,013,201	61,006
RCA	Capital	5	0	0	106,998	21,400
RCB	Cariboo	58	2	0	1,957,077	33,743
RCK	Central Kootenay	17	1	0	589,116	34,654
RCL	Columbia-Shuswap	21	0	0	1,014,739	48,321
RCO	Central Okanagan	10	0	0	89,061	8,906
RCS	Comox-Strathcona	15	0	0	96,545	6,436
RCV	Cowichan Valley	5	0	0	21,882	4,376
REK	East Kootenay	17	0	1	380,001	22,353
RFG	Fraser-Fort George	40	0	0	1,167,183	29,180
RFV	Fraser Valley	22	0	0	1,476,982	67,136
RGV	Greater Vancouver	5	0	0	20,538	4,108
RKI	Kitimat-Stikine	9	0	0	112,244	12,472
RKO	Kootenay Boundary	8	0	0	62,212	7,777
RMW	Mount Waddington	4	0	0	8,853	2,213
RNA	Nanaimo	7	0	0	111,588	15,941
RNO	North Okanagan	17	0	0	319,721	18,807
ROS	Okanagan-Similkameen	15	0	0	85,129	5,675
RPL	Peace River-Liard	54	0	0	2,420,443	44,823
RPR	Powell River	10	3	1	381,250	38,125
RSC	Skeena-Queen Charlotte	3	0	0	63,576	21,192
RSL	Squamish-Lillooet	9	0	0	430,864	47,874
RST	Stikine Region	5	0	1	178,266	35,653
RSU	Sunshine Coast	2	0	0	346,778	173,389
RTN	Thompson-Nicola	51	2	0	2,072,915	40,645

Section 5

Fire Loss Statistics

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CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
AO	**Act or Omission**				
AO000	**Cannot Be Determined**	**1,175**	**40**	**10**	**46,149,421**
	Arson or Set Fire				
AO011	Arson or set fire - financial gain	13	0	0	138,656
AO012	Arson or set fire - cover-up crime	131	0	0	2,431,986
AO013	Arson or set fire - political, religious, riot, civil commotion	1	0	0	600
AO014	Arson or set fire - revenge, spite	24	2	1	841,610
AO015	Arson or set fire - mental disorder, attempted suicide, suicide	21	0	0	328,371
AO016	Arson or set fire - vandalism mischief	500	1	0	5,575,528
AO017	Arson or set fire - intimidation	6	0	0	22,500
AO018	Arson or set fire - motive unknown or unclassified	581	16	0	13,398,225
AO019	Suspected set fire - motive unknown or unclassified	564	17	0	14,387,616
	Subtotal	**1,841**	**36**	**1**	**37,125,092**
	Misuse of Source of Ignition				
AO021	Smokers' material	312	32	5	4,964,817
AO022	Thawing	7	0	0	116,100
AO023	Inadequate control of "open" fire	34	0	0	796,281
AO024	Child playing with matches, lighter etc.	59	6	0	1,615,586
AO025	Welding or cutting too close	33	2	0	2,735,620
AO026	Torch too close	34	7	0	2,494,950
AO029	Misuse of source of ignition - unclassified	11	0	0	1,645,494
	Subtotal	**490**	**47**	**5**	**14,368,848**
	Misuse of Material Ignited				
AO031	Fuel spilled accidentally	28	6	1	396,667
AO032	Improper fuelling technique	3	1	0	9,100
AO033	Flammable liquid to kindle fire	2	2	0	305,000
AO034	Cleaning, washing parts	1	1	0	35,000
AO037	Combustible placed too close to heat	83	5	0	1,287,524
AO038	Improper storage	16	0	0	386,567
AO039	Misuse of material ignited - unclassified	19	2	0	197,129
	Subtotal	**152**	**17**	**1**	**2,616,987**

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
Mechanical or Electrical Failure					
AO041	Part failure, leak, break	633	12	1	7,440,975
AO042	Automatic control failure	33	1	0	296,741
AO043	Manual control failure	17	0	0	210,200
AO044	Electrical short circuit	578	13	0	5,650,960
AO046	Part worn out	29	1	0	181,143
AO049	Mechanical or electrical failure - unclassified	297	12	0	3,769,451
	Subtotal	**1,587**	**39**	**1**	**17,549,470**
Construction, Design or Installation Deficiency					
AO051	Design deficiency	8	0	0	46,026
AO052	Construction deficiency	19	0	0	254,031
AO053	Installed too close to combustible	52	2	4	2,629,588
AO054	Other installation deficiency	14	0	0	293,750
AO055	Over fusing	1	0	0	500
AO056	Suspected faulty connections involving aluminum wiring	1	0	0	250
AO057	Suspected faulty connections involving copper wiring	6	1	0	1,766,000
AO059	Construction design or installation deficiency - unclassified	21	0	0	468,657
	Subtotal	**122**	**3**	**4**	**5,458,802**
Misuse of Equipment					
AO061	Overfuelling	8	1	0	26,300
AO069	Misuse of equipment - unclassified	24	3	0	875,797
	Subtotal	**32**	**4**	**0**	**902,097**
Human Failing					
AO071	Asleep	34	8	2	614,039
AO072	Temporary loss of judgement suspected (includes panic)	13	5	0	77,721
AO073	Physical or mental disability	7	0	1	152,100
AO074	Accident	191	31	1	6,660,454
AO075	Suspected impairment by use of alcohol, drugs or medication	22	5	0	563,555
AO076	Asleep - suspected use of alcohol, drugs or medication	13	5	1	703,150
AO077	Ignorance of hazard	467	59	0	9,065,220
AO078	Distracted, preoccupied	224	25	0	4,204,062
AO079	Human failing - unclassified	71	5	2	1,832,393
	Subtotal	**1,042**	**143**	**7**	**23,872,694**

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
Vehicle Accident					
AO081	Automobile accident	25	0	0	154,582
AO082	Industrial truck accident	1	0	1	120,000
AO083	Other road vehicle accident	1	0	0	3,200
AO085	Watercraft accident	1	0	0	15,000
AO089	Vehicle accident - unclassified	5	0	0	20,782
	Subtotal	**33**	**0**	**1**	**313,564**
Miscellaneous Act or Omission					
AO091	Chimney fire (masonry)	11	0	0	119,873
AO092	Chimney fire (factory-built)	6	0	0	276,232
AO099	Miscellaneous act or omission - unclassified	178	4	0	5,034,962
	Subtotal	**195**	**4**	**0**	**5,431,067**
	TOTALS	**6,669**	**333**	**30**	**153,788,042**

BH Building Height

BH000	Cannot be determined	78	3	0	1,249,352
BH001	01 storey or 3m	1,215	64	14	41,566,072
BH002	02 stories or 6m	1,323	147	11	59,518,581
BH003	03 to 04 stories or 9m to 12m	459	60	0	25,637,209
BH004	05 to 06 stories or 15m to 18m	52	9	0	1,459,285
BH005	07 to 12 stories or 21m to 36m	38	7	0	166,556
BH006	13 to 24 stories or 40m to 73m	34	9	2	261,685
BH007	25 to 49 stories or 75m to 149m	3	0	0	15,300
BH009	Not applicable (e.g. vehicle, outside area, etc.)	3,467	34	3	23,914,002
	TOTALS	**6,669**	**333**	**30**	**153,788,042**

FH Form of Heat

FH000	Cannot be determined	2,651	55	13	71,305,466
FH001	Spark - ember	206	16	2	7,157,139
FH002	Spark - electrical	705	38	0	12,847,310
FH003	Spark - static electrical	30	1	0	359,964
FH004	Direct flame, flue gases	1,376	86	4	31,117,672
FH005	Friction heat	60	1	0	553,020
FH006	Hot object - direct heat by conduction or radiation	1,114	96	4	20,793,240
FH007	Spontaneous ignition	67	0	0	2,861,996

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
FH008	Heat from smoker's material	357	37	7	5,313,455
FH009	Form of heat - unclassified	103	3	0	1,478,780
	TOTALS	**6,669**	**333**	**30**	**153,788,042**

FS Fire Service

FS000	Cannot be determined	614	2	2	6,183,463
FS001	Full time fire department	2,700	186	5	51,204,993
FS002	Volunteer fire department	536	21	12	21,004,965
FS003	Combined full time and volunteer fire department	2,611	119	11	64,688,636
FS004	Police acting as full time firefighters	22	1	0	182,035
FS005	Combined police and fire department	2	0	0	4,600
FS006	Combined police and volunteer fire fighters	1	0	0	3,307
FS007	Fire service - contract to others	4	0	0	35,005
FS008	No fire service	166	4	0	9,939,858
FS009	Fire service - unclassified	13	0	0	541,180
	TOTALS	**6,669**	**333**	**30**	**153,788,042**

FU Fuel or Energy

FU000	Cannot be determined	2,025	47	13	60,407,032
FU001	Coal, wood	469	17	1	17,070,036
FU002	Fuel oil, kerosene	102	8	0	4,354,362
FU003	Gasoline	789	22	1	6,845,233
FU004	Natural gas or other fuel gases	332	33	2	8,336,572
FU005	Cigarette, cigar, pipe, match, lighter	967	65	9	17,209,606
FU006	Electricity	1,434	121	0	24,921,631
FU007	Lightning	4	0	0	19,843
FU008	Exposure fire	257	4	1	5,280,710
FU009	Fuel or energy - unclassified	290	16	3	9,343,017
	TOTALS	**6,669**	**333**	**30**	**153,788,042**

ID Initial Detection

ID000	Cannot be determined	666	4	2	7,199,163
ID001	Smoke alarm device	192	19	2	4,801,057
ID002	Smoke detector device	93	7	0	1,938,738
ID003	Heat alarm device	8	0	0	539,300
ID004	Heat detector device	15	4	1	789,327
ID005	Automatic sprinkler system	66	6	0	2,157,857

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
ID006	Automatic system - other than sprinkler	14	0	0	838,200
ID007	Visual sighting	5,508	285	23	133,296,612
ID008	None	55	0	0	597,813
ID009	Initial detection - unclassified	52	8	2	1,629,975
	TOTALS	**6,669**	**333**	**30**	**153,788,042**

IG Igniting Object

IG000	Cannot be determined	2,184	60	14	63,541,196
IG001	No igniting object	60	1	0	2,169,470
	Subtotal	**2,244**	**61**	**14**	**65,710,666**

Cooking Equipment

IG002	Stove, range: Top burner area - fire in pan	245	38	0	2,898,534
IG003	Stove, range: Top burner area - fire in deep fat fryer or pot	115	20	0	1,672,490
IG004	Stove, range: Top burner area - involving other circumstances	86	16	0	1,100,562
IG005	Oven of stove, range	37	2	0	485,038
IG006	Chafing dish, fondue	1	0	0	470
IG007	Deep fat fryer - separate appliance	9	0	0	30,345
IG011	Fry pans, grills not on stove	5	0	0	27,863
IG012	Other portable cooking unit	16	2	0	266,432
IG013	Open fired broiler - fixed type	5	0	0	65,900
IG014	Open fired broiler - portable type	25	2	0	324,750
IG015	Portable food warming appliance	13	0	0	427,031
IG016	Toaster, waffle iron	9	0	0	158,075
IG019	Cooking equipment - unclassified	16	1	0	53,958
	Subtotal	**582**	**81**	**0**	**7,511,448**

Heating Equipment

IG021	Central heating unit	46	6	0	2,298,076
IG022	Service water heater	25	6	1	342,229
IG023	Space heater - stationary	51	1	0	2,729,267
IG024	Space heater - portable	34	0	0	1,042,400
IG025	Fireplace	43	0	1	1,441,812
IG026	Chimney, masonry	44	0	0	1,213,499
IG027	Flue pipe, vent connector	12	1	0	144,900
IG028	Chimney, factory-built, metal	33	0	0	1,759,020
IG029	Heating equipment - unclassified	29	2	3	1,314,964
	Subtotal	**317**	**16**	**5**	**12,286,167**

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
Appliances and Equipment					
IG031	Television	6	5	0	424,937
IG032	Radio, phonograph, tape-recorder	7	0	0	139,870
IG033	Clothes dryer	66	2	0	507,498
IG034	Washing machine	7	0	0	7,650
IG035	Air conditioning and refrigeration: Central	4	0	0	52,800
IG036	Air conditioning or dehumidifier: Individual	4	0	0	24,450
IG037	Refrigeration unit: Individual	15	0	0	357,813
IG038	Pressing iron, ironing machine	2	0	0	140,500
IG039	Portable generator	9	0	0	384,416
IG041	Lawnmower	3	2	0	28,500
IG043	Electric blanket, heating pad	4	1	0	55,450
IG044	Incinerator	6	0	0	633,451
IG049	Appliance and equipment - unclassified	34	4	0	1,757,331
	Subtotal	**167**	**14**	**0**	**4,514,666**
Electrical Distribution Equipment					
IG051	Electrical wiring, cable - permanent	356	8	0	5,120,125
IG052	Transformer	16	1	0	2,461,200
IG053	Switch gear	8	0	0	103,780
IG054	Panelboard, switchboard	17	1	0	267,010
IG055	Switch, outlet	20	1	0	863,311
IG056	Electric, wiring, cable: Temporary	60	7	0	1,537,714
IG057	Signal, telephone equipment	4	1	0	130,850
IG058	Battery, rectifier (includes charger)	51	1	0	916,529
IG059	Electrical distribution equipment - unclassified	35	2	0	399,792
	Subtotal	**567**	**22**	**0**	**11,800,311**
Other Electrical Equipment					
IG061	Electric motor: 1 hp and over	20	1	0	163,728
IG062	Electric motor: Under 1 h.p	13	0	0	63,524
IG063	Electronic equipment: Communications	1	0	0	3,700
IG064	Electronic equipment: Data processing	3	6	0	401,450
IG065	Incandescent lamp, lightbulb	70	6	0	1,392,019
IG066	Fluorescent lamp	5	0	0	11,000
IG069	Other electrical equipment - unclassified	56	0	0	441,189
	Subtotal	**168**	**13**	**0**	**2,476,610**

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
Smoker's Material and "Open" Flames					
IG071	Smoker's material: Cigarette, pipe, cigar, matches, lighter	410	44	9	6,220,527
IG072	Match, lighter: Not used in conjunction with smoking	652	23	2	14,620,464
IG073	Lamp	11	1	0	206,760
IG074	Candle, taper	113	14	0	2,611,334
IG075	Cutting torch	29	4	0	917,003
IG076	Welding equipment	30	7	0	2,701,877
IG077	Torch: Other than cutting, welding	63	8	0	2,776,413
IG078	Hot ashes, embers	45	3	0	1,374,499
IG079	Smoker's material or "open" flame - unclassified	35	5	0	1,127,693
	Subtotal	**1,388**	**109**	**11**	**32,556,570**
Exposure					
IG081	Structure: Attached	14	0	0	229,470
IG082	Structure: Detached	93	2	0	1,190,547
IG083	Lumber yard	1	0	0	100,000
IG084	Outside storage container, tank	4	0	0	1,493,500
IG085	"Open" fire	19	0	0	118,500
IG086	Forest, tree(s)	20	0	0	540,775
IG087	Grass, shrub, brush, scrub	15	0	0	152,300
IG089	Exposure - unclassified	76	0	0	630,272
	Subtotal	**242**	**2**	**0**	**4,455,364**
Miscellaneous					
IG090	Internal combustion engine	662	7	0	4,834,988
IG091	Heat treatment equipment	15	1	0	850,458
IG092	Industrial oven	3	0	0	41,000
IG094	Explosive	1	0	0	13,000
IG095	Fireworks	38	0	0	544,550
IG096	Bearing, belting, conveyor, brake	22	0	0	110,635
IG097	Machinery, equipment: Commercial and industrial	35	1	0	1,945,096
IG098	Chemical reaction	36	0	0	2,193,350
IG099	Miscellaneous igniting object - unclassified	182	6	0	1,943,163
	Subtotal	**994**	**15**	**0**	**12,476,240**
	TOTALS	**6,669**	**333**	**30**	**153,788,042**

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
IN	**Incident Report**				
IN008	Alarm fire	5	0	0	103,824
IN009	No-alarm fire: Insurance report	580	0	0	5,420,536
IN010	Alarm fire: reported by LAFC	5,954	331	30	144,082,151
IN011	No-alarm fire: reported by LAFC	130	2	0	4,181,531
	TOTALS	**6,669**	**333**	**30**	**153,788,042**
LI	**Last Inspected**				
LI000	Cannot be determined	929	29	4	19,826,393
LI001	Less than 30 days prior to fire	89	12	0	1,995,358
LI002	31 to 60 days prior to fire	95	12	0	4,405,609
LI003	61 to 90 days prior to fire	86	7	0	5,654,868
LI004	91 to 180 days prior to fire	179	23	1	8,136,951
LI005	6 to 12 months prior to fire	296	30	2	14,491,027
LI006	13 to 24 months prior to fire	102	9	1	8,519,135
LI007	25 to 36 months prior to fire	28	1	0	2,343,673
LI008	Over 36 months prior to fire	38	4	0	6,742,100
LI009	Not applicable inspection date	4,827	206	22	81,672,928
	TOTALS	**6,669**	**333**	**30**	**153,788,042**
LV	**Level of Origin**				
LV000	Cannot be determined	108	8	0	5,398,804
LV001	Basement, sub-basement	276	32	1	10,020,905
LV002	Crawl space, under structure	47	1	0	1,348,834
LV003	Ground floor, grade level	1,877	157	22	79,550,557
LV004	2nd storey	462	59	2	14,730,226
LV005	3rd storey	91	12	0	6,758,454
LV006	4th to 12th story, inclusive	69	13	1	552,283
LV007	Over 12 storeys	11	3	1	55,450
LV008	Roof level, includes concealed roof space, attic	146	10	0	8,292,887
LV009	Level of origin - not applicable	3,582	38	3	27,079,642
	TOTALS	**6,669**	**333**	**30**	**153,788,042**

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
MI	**Material First Ignited**				
Structural Components, Finish Materials					
MI001	Roof covering: Wood	69	2	0	2,366,052
MI002	Roof covering: Other than wood	14	4	1	756,200
MI003	Exterior wall covering, surface, finish	145	4	0	3,986,597
MI004	Exterior trim & appurtenance	30	1	0	1,345,161
MI005	Floor covering: Wood	35	0	0	1,036,605
MI006	Floor covering: Linoleum, tile, plastic	13	1	0	152,592
MI007	Floor covering: Carpet, rug	65	3	2	1,605,246
MI008	Structural component: Floor, ceiling, roof	72	3	0	6,500,814
MI009	Structural component: Wall	77	8	3	4,860,917
MI010	Interior wall covering: Wood, fibreboard (high density)	82	4	1	2,533,159
MI011	Interior wall covering: Fibreboard (low density)	12	1	0	235,510
MI012	Interior wall covering: Plastic	7	0	0	17,463
MI013	Ceiling covering: Wood, fibreboard (high density)	7	0	0	89,639
MI014	Ceiling covering: Fibreboard (low density)	3	0	0	29,000
MI015	Ceiling covering: Surface Material	1	0	0	200
MI016	Insulation: Wood product	13	1	0	902,812
MI017	Insulation: Plastic	44	6	0	679,865
MI018	Insulation: Mineral	11	0	0	585,420
MI019	Structural components, finish materials - unclassified	34	0	0	713,520
	Subtotal	**734**	**38**	**7**	**28,396,772**
Furniture, Furnishings					
MI021	Furniture (upholstered)	135	10	6	4,134,898
MI022	Furniture: Wood (not upholstered)	28	3	0	659,760
MI023	Furniture: Plastic (not upholstered)	3	0	0	6,430
MI025	Mattress, pillow	79	11	0	954,819
MI026	Bedding	79	11	3	2,538,778
MI027	Drapery	28	4	0	939,889
MI028	Broom, mop, brush	1	0	0	1,000
MI029	Furniture, furnishings - unclassified	15	1	0	72,267
	Subtotal	**368**	**40**	**9**	**9,307,841**

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
Clothing, Textiles					
MI031	Clothing: Cotton	16	1	0	120,656
MI033	Clothing: Synthetic fibre	35	6	0	504,606
MI034	Fabric: Cotton	37	5	0	282,535
MI035	Fabric: Wool	4	1	0	6,600
MI036	Fabric: Synthetic fibre	42	0	0	639,126
MI037	Fur	1	0	0	584
MI038	Tarpaulin	8	0	0	13,650
MI039	Clothing, textiles - unclassified	34	3	0	449,173
	Subtotal	**177**	**16**	**0**	**2,016,930**
Wood, Paper Products					
MI041	Wood	69	3	0	1,649,933
MI042	Wood shavings	74	0	0	2,252,611
MI044	Paper, packing material	33	0	0	327,265
MI045	Paper decoration	10	1	0	62,975
MI046	Wastepaper	106	1	0	1,342,007
MI047	Cardboard	74	6	0	2,398,099
MI048	Paper stock	67	2	0	1,156,071
MI049	Wood, paper products - unclassified	82	4	1	1,364,165
	Subtotal	**515**	**17**	**1**	**10,553,126**
Flammable, Combustible Liquids					
MI051	Gasoline	537	30	2	7,241,613
MI052	Fuel oil	34	2	0	720,392
MI053	Combustible liquid: Flashpoint 100°F and over	54	1	0	726,955
MI054	Flammable liquid: Flashpoint less than 100°F	28	5	1	1,397,249
MI055	Paint, varnish	19	0	0	405,482
MI056	Cooking oil, fat	309	52	0	3,712,686
MI057	Tar, asphalt	5	1	0	12,058
MI058	Polish, wax	8	0	0	25,269
MI059	Flammable liquids - unclassified	96	6	0	2,003,836
	Subtotal	**1,090**	**97**	**3**	**16,245,540**
Flammable Gases					
MI061	Natural gas	12	1	0	18,740
MI062	Propane/butane air mixture	22	2	0	224,610
MI063	Propane, butane, L.P.G.	43	2	1	496,507
MI064	Anaesthetic gas	1	0	0	500
MI065	Acetylene	4	0	0	8,200
MI069	Flammable gases - unclassified	7	3	0	174,442
	Subtotal	**89**	**8**	**1**	**922,999**

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
Chemicals, Plastics, Metals					
MI072	Cellulose nitrate	6	0	0	44,950
MI073	Plastics	147	9	0	867,465
MI074	Oxidizing material	1	0	0	10,500
MI077	Rubber, natural or synthetic	46	2	0	388,043
MI079	Chemicals - unclassified	25	0	0	155,055
	Subtotal	**225**	**11**	**0**	**1,466,013**
Agriculture, Forestry Products					
MI081	Fibres	9	0	0	53,385
MI082	Grain, flour, starch	9	0	0	560,668
MI083	Hay, straw	27	0	0	3,698,406
MI084	Tree, shrub	49	0	0	730,158
MI085	Felled timber	4	0	0	780,797
MI086	Grass, brush, leaves	37	0	0	185,592
MI088	Christmas tree (natural trees)	2	0	0	27,545
MI089	Agricultural, forestry products - unclassified	9	1	0	35,481
	Subtotal	**146**	**1**	**0**	**6,072,032**
Miscellaneous					
MI091	Coal, coke	5	2	0	59,250
MI092	Creosote deposits in chimney, flue	43	0	0	398,754
MI095	Insulation - electric	402	13	0	2,952,013
MI096	Garbage, trash, rubbish	237	11	0	1,104,990
MI097	Oily rags	18	1	0	824,600
MI099	Miscellaneous material - unclassified	240	16	0	3,803,131
MI000	Cannot be determined	2,380	62	9	69,664,051
	Subtotal	**3325**	**105**	**9**	**78,806,789**
	TOTALS	**6,669**	**333**	**30**	**153,788,042**

OA Area of Origin

Means of Egress					
OA001	Hallway, corridor	67	7	0	2,192,131
OA002	Stairway, exterior	22	0	0	611,396
OA003	Stairway, interior	32	0	0	3,201,768
OA005	Lobby, entrance way	38	1	0	1,281,200
OA006	Elevator	3	0	0	3,200

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
OA009	Means of egress - unclassified	65	1	0	1,701,199
OA000	Area of origin - cannot be determined	458	12	2	11,568,577
	Subtotal	**227**	**9**	**0**	**8,990,894**
Assembly, Family, Sales Area (Groups of People)					
OA011	Large assembly area: Fixed seats	3	0	0	7,250
OA012	Large assembly area: Non-fixed seats	2	0	0	9,000
OA013	Small assembly area	16	0	0	1,980,300
OA014	Lounge, living room	268	30	19	12,176,111
OA015	Sales, show room area	14	0	0	604,310
OA016	Library, Museum	2	0	0	4,500
OA017	Sports facility	4	0	0	128,950
OA018	Covered court, atrium, mall concourse	1	0	0	350
OA019	Assembly, sales area - unclassified	4	0	0	89,900
	Subtotal	**314**	**30**	**19**	**15,000,671**
Function Area					
OA021	Sleeping (under 5 occupants)	303	54	5	8,482,436
OA022	Sleeping (5 or more occupants)	12	2	0	299,050
OA023	Dining area	23	2	0	988,096
OA024	Bar, beverage area	7	0	0	650,100
OA025	Washroom, locker room	115	13	0	3,602,730
OA026	Office	25	0	0	1,962,550
OA027	Laboratory	3	0	0	8,039
OA028	Display windows	1	0	0	500
OA029	Printing, photographic reproduction	2	1	0	110,200
OA030	Electronic equipment communication	2	0	0	11,223
OA031	Kitchen, cooking area	599	81	2	10,420,133
OA032	Laundry area	109	8	0	1,962,784
OA033	First-aid, Treatment Area	3	1	0	121,000
OA035	Electronic equipment room	7	1	0	1,643,371
OA036	Performance area	2	0	0	7,500
OA038	Process, manufacturing area	34	5	0	5,552,833
OA039	Function area - unclassified	27	1	0	1,200,170
	Subtotal	**1,274**	**169**	**7**	**37,022,715**
Storage Area (Inside Building)					
OA041	Product storage area	32	1	0	4,438,400
OA042	Closet, lockers	25	3	0	595,341
OA043	Supplies, equipment area	20	9	0	2,365,214
OA044	Records storage area	2	0	1	126,000
OA045	Shipping, receiving area, mail room	11	0	0	293,961
OA046	Trash, rubbish area	22	2	0	72,900
OA047	Vehicle storage (garage)	151	16	1	4,592,835

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
OA048	Agricultural products storage	28	3	0	2,629,900
OA049	Storage area - unclassified	56	5	0	1,441,313
	Subtotal	**347**	**39**	**2**	**16,555,864**
Service Facilities					
OA051	Dumbwaiter, conveyor shaft	2	0	0	20,000
OA052	Service shaft	2	0	0	400
OA054	Pipe, piping	2	0	0	850
OA055	Duct: Heating, air conditioning	5	0	0	69,800
OA056	Duct: Cooking, exhaust	5	0	0	21,834
OA057	Chimney: Masonry	44	1	0	334,169
OA058	Chimney: Factory built metal	27	0	0	1,049,702
OA059	Service facilities - unclassified	8	3	0	297,572
	Subtotal	**95**	**4**	**0**	**1,794,327**
Service and Equipment Area					
OA061	Machinery room	31	0	0	3,084,650
OA062	Heating equipment room	59	3	0	2,644,808
OA063	Transformer vault	16	2	0	493,925
OA065	Maintenance shop	43	2	0	3,826,068
OA066	Paint shop	4	1	0	682,600
OA069	Service and equipment area - unclassified	28	1	0	1,698,316
	Subtotal	**181**	**9**	**0**	**12,430,367**
Structural Area					
OA071	Crawl space	43	0	0	1,890,809
OA072	Exterior balcony	82	9	0	4,989,649
OA073	Ceiling and floor assembly	18	1	0	4,079,100
OA074	Ceiling and roof/ceiling space	54	5	0	3,038,235
OA075	Wall assembly	33	0	0	1,013,150
OA076	Exterior wall	139	5	0	3,746,883
OA077	Exterior roof	65	5	0	1,773,161
OA078	Awning, canopy	7	0	0	28,050
OA079	Structural area - unclassified	56	2	0	2,793,661
	Subtotal	**497**	**27**	**0**	**23,352,698**
Vehicle Area					
OA082	Vehicle: Engine area	1,249	8	0	7,160,195
OA083	Vehicle: Fuel area	123	3	0	771,820
OA084	Vehicle: Control area	195	2	0	1,765,220
OA085	Vehicle: Passenger area	624	3	0	4,618,356
OA086	Vehicle: Cargo area	85	4	0	860,192
OA089	Vehicle area - unclassified	272	0	0	1,923,691
	Subtotal	**2,548**	**20**	**0**	**17,099,474**

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
Outside Area					
OA091	Open area	136	2	0	1,124,314
OA092	Court, patio, terrace	72	4	0	1,670,375
OA093	Parking area	48	3	0	557,332
OA094	Storage area	51	1	0	2,221,973
OA095	Trash, rubbish area	195	1	0	1,289,002
OA099	Outside area - unclassified	226	3	0	3,109,459
	Subtotal	**1,186**	**26**	**2**	**21,541,032**
	TOTALS	**6,669**	**333**	**30**	**153,788,042**
PR	**Property Classification**				
Theatre, Studio, Auditorium					
PR111	Legitimate theatre	3	0	0	5,750
PR114	Auditorium	2	0	0	75
PR119	Theatre, studio, auditorium - unclassified	1	0	0	2,000
	Subtotal	**6**	**0**	**0**	**7,825**
Amusement, Recreation Place (excluding social, sport clubs)					
PR122	Billiard Centre	1	0	0	1,000
PR123	Ice rink	5	0	0	756,250
PR124	Amusement centre	3	0	0	2,150
PR125	Swimming Facility	6	0	0	28,900
PR126	Ballroom, gymnasium	2	0	0	501,000
PR127	Exhibition hall, Exposition hall	3	0	0	550
PR128	Arena, stadium	4	0	0	7,450
PR129	Amusement, recreation place - unclassified	14	0	0	69,300
	Subtotal	**38**	**0**	**0**	**1,366,600**
School, College, University					
PR131	Nursery school, kindergarten	4	0	0	19,000
PR132	Elementary school	41	0	0	634,841
PR133	High school	35	0	0	129,835
PR135	School, industrial trade, technical	3	0	0	1,600
PR136	Business, secretarial, commercial	1	0	0	18,700
PR137	Rehabilitation school	1	0	0	500
PR138	College, university	9	0	0	22,200
PR139	Educational facility - unclassified	3	1	0	153,500
	Subtotal	**97**	**1**	**0**	**980,176**

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
Church, Funeral Parlour					
PR141	Church, chapel	4	0	0	2,350
PR143	Church hall	4	0	0	178,500
	Subtotal	**8**	**0**	**0**	**180,850**
Clubs, Social, Sport					
PR151	City club	4	0	0	19,900
PR152	Country club	6	1	0	920,250
PR159	Social, sport club - unclassified	7	1	0	1,381,000
	Subtotal	**17**	**2**	**0**	**2,321,150**
Museum, Art Gallery, Libraries					
PR161	Library	5	0	0	5,800
PR164	Historic building	2	0	0	14,800
	Subtotal	**7**	**0**	**0**	**20,600**
Food or Beverage Establishment					
PR171	Restaurant	70	6	0	3,716,011
PR172	Night club	5	0	0	76,425
PR173	Tavern	9	1	0	372,210
PR174	Lunchroom, drive-in	4	0	0	73,750
PR179	Food or beverage establishment - unclassified	4	1	0	930,500
	Subtotal	**92**	**8**	**0**	**5,168,896**
Passenger Terminal, Station					
PR181	Airport passenger terminal	2	0	0	4,250
	Subtotal	**2**	**0**	**0**	**4,250**
Miscellaneous					
PR191	Court room	1	0	0	200
PR199	Miscellaneous assembly - unclassified	2	0	0	128,000
	Subtotal	**3**	**0**	**0**	**128,200**
Prison, Jail, Reformatory					
PR214	Reformatory, juvenile detention home	3	0	0	13,150
PR217	Police station, with lock-up facilities	4	1	0	17,500
PR219	Prison, jail, reformatory - unclassified	1	0	0	200
	Subtotal	**8**	**1**	**0**	**30,850**

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
Home For the Aged					
PR221	Home for the aged with nursing staff	3	0	0	60,577
PR222	Home for the aged without nursing staff	1	0	0	30,000
PR229	Home for the aged - unclassified	1	0	0	17,928
	Subtotal	**5**	**0**	**0**	**108,505**
Child Care					
PR233	Children's day care	1	0	0	255,000
	Subtotal	**1**	**0**	**0**	**255,000**
Hospital, Sanatorium, Clinic					
PR241	Hospital	5	1	0	22,720
PR242	Sanatorium, sanatarium, nursing or convalescent home	2	0	0	1,400
PR244	Mental Hospital	1	0	0	1,000
	Subtotal	**8**	**1**	**0**	**25,120**
Miscellaneous					
PR299	Miscellaneous institutional - unclassified	5	0	0	8,800
	Subtotal	**5**	**0**	**0**	**8,800**
One- and Two-Family Dwellings					
PR311	Dwelling year-round use (1-family)	1,329	128	13	43,090,476
PR312	Dwelling, seasonal use - in season (1-family)	17	2	0	706,845
PR313	Dwelling, seasonal use - off season (1-family)	4	0	0	369,000
PR314	Dwelling, year-round use (2-family)	154	29	1	4,683,306
PR315	Dwelling seasonal use - in season (2-family)	3	0	0	26,500
PR316	Dwelling, seasonal use - off season (2-family)	1	0	0	400
PR317	Dwelling, farm (1-family)	22	1	0	1,031,525
PR318	Dwelling, farm (2-family)	2	0	0	340,000
PR319	Dwelling, 1 & 2 family - unclassified	26	4	1	604,965
	Subtotal	**1,558**	**164**	**15**	**50,853,017**

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
Apartment and Townhouse					
PR321	Apartment, townhouse: 1-2 units with business	11	0	0	416,600
PR322	Apartment, townhouse: 1-2 units without business	13	2	0	75,100
PR323	Apartment, townhouse: 3-20 units with business	54	4	1	1,710,776
PR324	Apartment, townhouse: 3-20 units without business	138	22	1	3,326,893
PR325	Apartment, townhouse: over 20 units	233	40	2	7,596,468
PR329	Apartment, townhouse- unclassified	29	2	0	887,698
	Subtotal	**478**	**70**	**4**	**14,013,535**
Rooming, Boarding, Lodging House, Hostel					
PR331	Rooming, boarding, lodging house: 4 to 8 roomers or boarders	12	4	0	851,500
PR332	Rooming, boarding, lodging house: 9 to 15 roomers or boarders	9	1	0	207,975
PR339	Rooming, boarding, lodging house - unclassified	4	1	0	2,700
	Subtotal	**25**	**6**	**0**	**1,062,175**
Hotel, Inn, Lodge					
PR341	Hotel, inn, lodge: Year-round use	51	12	0	972,293
PR342	Hotel, inn, lodge: Seasonal use - in season	1	0	0	80,000
PR344	Hotel, inn, lodge: Transient dormitory type	1	0	0	567,000
PR349	Hotel, inn, lodge - unclassified	1	0	0	170,000
	Subtotal	**54**	**12**	**0**	**1,789,293**
Motor Hotel, Motel					
PR351	Motor hotel, motel: Fewer than 3 units	1	0	0	1,000
PR352	Motor hotel, motel: 3-20 units	8	0	0	182,800
PR353	Motor hotel, motel: Over 20 units	7	1	0	44,525
PR359	Motor hotel, motel - unclassified	2			12,089
	Subtotal	**18**	**1**	**0**	**240,414**

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
Dormitory					
PR361	Dormitory: School, college, university dormitory	3	0	0	5,750
PR362	Dormitory: Fraternity, sorority, social club dormitory	1	0	0	3,000
PR365	Dormitory: Convent, monastery or other religious dormitory	1	0	0	500
PR366	Dormitory: Bunkhouse and workers' barrack	2	0	0	4,700
PR369	Dormitory - unclassified	1	0		65,000
	Subtotal	**8**	**0**	**0**	**78,950**
Mobile Home, Trailer					
PR371	Mobile home (1 or 2 family unit)	82	2	6	3,016,790
PR372	Houseboat	3	0	0	9,000
PR373	Travel trailer	32	2	1	416,480
PR374	Camping trailer	7	0	0	32,250
PR375	Motorhome	23	0	0	499,700
PR376	Truck with camper	5	1	0	28,900
PR377	Tent	2	0	0	16,118
PR379	Mobile home, trailer - unclassified	20	0	0	690,842
	Subtotal	**174**	**5**	**7**	**4,710,080**
Miscellaneous - Residential					
PR391	Children's play house	2	0	0	12,100
PR399	Residential miscellaneous - unclassified	15	0	0	197,850
	Subtotal	**17**	**0**	**0**	**209,950**
Office					
PR411	General business office	17	0	0	2,176,050
PR412	Civic, federal or provincial government office	5	0	0	122,000
PR413	Bank	3	0	0	170,500
PR414	Medical, health, research or scientific office	10	0	0	540,098
PR415	Engineering, architectural and technical office	1	0	0	2,000
PR416	Mailing, photocopy company office	2	0	0	22,000
PR417	Post office	1	0	0	100
PR419	Office - unclassified	4	0	0	114,000
	Subtotal	**43**	**0**	**0**	**3,146,748**

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
Personal Service					
PR421	Barber or hairdressing establishment	1	0	0	15,000
PR422	Beauty Parlour	3	0	0	114,000
PR429	Personal service property - unclassified	1	0	0	1,200
	Subtotal	**5**	**0**	**0**	**130,200**
Electronic Equipment					
PR431	Electronic data processing centre	1	1	0	2,000
PR439	Electronic equipment - unclassified	1	0	0	1,000
	Subtotal	**2**	**1**	**0**	**3,000**
Miscellaneous Business and Personal Services					
PR499	Miscellaneous business and personal service - unclassified	6	2	0	918,000
	Subtotal	**6**	**2**	**0**	**918,000**
Food, Beverage Sale					
PR511	Supermarket	10	1	0	683,100
PR512	Market, grocery store	15	1	0	1,491,650
PR513	Specialty food store	2	0	0	65,000
PR514	Liquor, beverage store	2	0	0	6,000
PR519	Food, beverage sale - unclassified	5	0	0	803,105
	Subtotal	**34**	**2**	**0**	**3,048,855**
Textile, Wearing Apparel Sale					
PR521	Clothing store	5	0	0	129,360
PR525	Fur store	1	0	0	500
PR526	Dry goods store	2	0	0	5,500
PR529	Textile, wearing apparel sale - unclassified	1	0	0	1,000
	Subtotal	**9**	**0**	**0**	**136,360**
Furniture, Appliance, Hardware Sales					
PR531	Furniture store	3	0	0	110,000
PR532	Appliance store	1	0	0	2,000,000
PR533	Hardware store	1	0	0	10
PR539	Furniture, appliance hardware sales - unclassified	2	0	0	3,811
	Subtotal	**7**	**0**	**0**	**2,113,821**

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
Books, Newspapers, Drugs, Specialty Sales					
PR541	Book, stationery store	1	0	0	4,000
PR543	Drug store	1	0	0	300
PR545	Gift shop	1	0	0	400
PR547	Florist shop, greenhouse	3	0	0	24,000
PR548	Optical goods sales	1	0	0	30,000
PR549	Books, newspapers, drugs - unclassified	1	0	0	1,030,500
	Subtotal	**8**	**0**	**0**	**1,089,200**
Recreation, Hobby Supplies					
PR551	Hobby, toy shop	1	0	0	40,000
PR552	Sporting goods sales, bicycle sales and repairs	1	0	0	632,000
PR554	Garden supply store	1	0	0	15,000
PR559	Recreation, hobby supplies - unclassified	3	0	0	22,800
	Subtotal	**6**	**0**	**0**	**709,800**
Repair, Shop, Laundry, Dry Cleaner					
PR561	Furniture repair or upholstery without sales	1	0	0	527,500
PR563	Laundry, self-service	9	1	0	108,150
PR564	Laundry, dry cleaner	2	0	0	2,010
PR566	Home maintenance service	2	0	0	42,000
PR567	Maintenance shop, general	8	0	0	1,605,000
	Subtotal	**22**	**1**	**0**	**2,284,660**
Motor Vehicles, Boats, Sales and Service					
PR571	Service station; public	7	0	0	71,800
PR573	Motor vehicle repairs	16	3	0	983,678
PR574	Motor vehicle and trailer sales	2	0	0	115,500
PR575	Motor vehicle accessory sales	2	0	0	355,500
PR576	Boat sales	2	0	0	38,000
PR579	Motor vehicles, boats, sales and service - unclassified	11	3	0	470,978
	Subtotal	**40**	**6**	**0**	**2,035,456**
Department, Variety Store					
PR581	Department store	5	0	0	303,300
PR582	Variety store - small	9	0	0	1,876,650
PR583	Variety store - large	4	1	0	567,900

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
PR585	Shopping mall - public areas	5	0	0	59,600
PR589	Department, variety store - unclassified	1	0	0	500
	Subtotal	**24**	**1**	**0**	**2,807,950**
Miscellaneous Mercantile					
PR592	Trade supply sales	1	0	0	32,000
PR593	Builders supply sales	1	0	0	2,000
PR599	Miscellaneous mercantile - unclassified	8	0	0	215,509
	Subtotal	**10**	**0**	**0**	**249,509**
Chemicals, Petroleum, Paints, Plastics - Manufacturing/Processing					
PR611	Basic industrial chemicals manufacture	3	0	0	40,250
PR612	Hazardous chemicals manufacture	1	0	0	7,000
PR613	Plastic material manufacture	2	1	0	1,201,000
PR614	Plastic products manufacture	6	1	0	712,700
PR615	Paints, varnishes, lacquers	2	0	0	8,500
	Subtotal	**14**	**2**	**0**	**1,969,450**
Wood, Furniture, Paper, Printing					
PR621	Sawmill, planing mill	63	3	0	7,542,652
PR623	Wood, cork products manufacture	2	0	0	39,500
PR624	Furniture, bedding manufacture	5	1	0	676,400
PR625	Paper, pulp, paperboard manufacture	2	0	0	301,000
PR626	Paper, pulp, paperboard products manufactures	1	1	0	3,000
PR628	Printing, publishing	1	0	0	250,000
PR629	Wood, furniture, paper, printing manufacturing - unclassified	1	0	0	700,000
	Subtotal	**75**	**5**	**0**	**9,512,552**
Metal, Metal Products, Electrical Equipment & Appliances					
PR631	Basic iron and steel manufacture	5	0	0	81,989
PR633	Basic metal products manufacturing	8	1	0	1,022,050
PR634	Machinery manufacture	2	0	0	180,500
PR635	Electrical and electronic machinery manufacture	2	0	0	90,100

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
PR636	Electrical and electronic appliance manufacture	1	0	0	10,000
PR639	Metal, metal products, electrical equip. man. - unclassified	2	0	0	4,223
	Subtotal	**20**	**1**	**0**	**1,388,862**
Food Processing					
PR641	Slaughtering, preparation, preserving of meat	3	0	0	1,321,000
PR645	Grain mill products manufacturing	4	0	0	33,200
PR646	Bakery product manufacturing	1	0	0	400
PR649	Food processing - unclassified	2	0	0	62,831
	Subtotal	**10**	**0**	**0**	**1,417,431**
Textiles					
PR664	Textile finishing	1	0	0	200
	Subtotal	**1**	**0**	**0**	**200**
Vehicles and Related Equipment					
PR682	Boatbuilding and repairing of vessels 20m and under	2	0	0	186,000
PR683	Railway equipment manufacturing, assembly and repair	2	0	0	6,200
PR684	Motor vehicle manufacturing and assembly	2	0	0	1,400
PR689	Vehicles and related equipment - unclassified	11	0	0	180,709
	Subtotal	**17**	**0**	**0**	**374,309**
Miscellaneous - Industrial Manufacturing Property					
PR696	Laundry and dry cleaning plant	4	0	0	19,100
PR699	Miscellaneous manufacturing - unclassified	5	0	0	75,252
	Subtotal	**9**	**0**	**0**	**94,352**
Agricultural Products - Storage					
PR711	Seeds, beans, nuts, grain storage	10	0	0	1,332,700
PR712	Boxed, crated or packaged agricultural products storage	2			500,400
PR715	Livestock storage	3	0	0	609,000

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
PR716	Agricultural supply storage	6	0	0	1,494,100
PR719	Agricultural products storage - unclassified	4	0	0	111,100
	Subtotal	**25**	**0**	**0**	**4,047,300**
Textiles, Fibres, Clothing - Storage					
PR726	Wearing apparel, garments and finished textiles storage	2	0	0	485,000
	Subtotal	**2**	**0**	**0**	**485,000**
Processed Food, Beverage - Storage					
PR731	Packaged foodstuffs storage	3	0	0	799,650
PR733	Loose or bagged processed foods storage	1	0	0	210,000
	Subtotal	**4**	**0**	**0**	**1,009,650**
Flammable liquids, Gases, Petroleum Products - Storage					
PR749	Flammable liquids, gases, petroleum product storage - unclassified	1	1	0	50
	Subtotal	**1**	**1**	**0**	**50**
Wood, Furniture, Paper and Products - Storage					
PR751	Lumberyards, building materials storage	3	0	0	11,200
PR752	Wood products storage	3	0	0	4,100
PR754	Fibre products storage	2	0	0	4,000
PR756	Paper and paper products storage	1	0	0	6,000
PR757	Felled timber, log storage	2	0	0	620,001
	Subtotal	**11**	**0**	**0**	**645,301**
Chemicals, Plastics, Paints - Storage					
PR763	Plastics and plastic products storage	1	0	0	42,000
PR766	Drugs, cosmetics and pharmaceuticals storage	2	1	0	450,500
	Subtotal	**3**	**1**	**0**	**492,500**
Metal Products, Machinery, Electrical Applicance - Storage					
PR773	Hardware storage	1	0	0	16,000
PR775	Electrical appliances and supplies	1	0	0	2,000
PR777	Scrap and junkyards	3	0	0	1,601,125

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
PR 779	Metal products, machinery, electrical appliance storage - unclassified	1	0	0	5,000
	Subtotal	**6**	**0**	**0**	**1,624,125**
Vehicle Storage					
PR781	Garage: Individual residential parking	63	5	1	1,122,829
PR782	Garage: General auto parking	16	0	0	584,087
PR783	Bus, truck and auto fleet storage	1	0	0	700
PR784	Heavy machine and equipment storage	4	0	0	13,210
PR785	Marinas, boat and ship storage	4	0	0	13,300
PR788	Fire stations	2	0	0	10,000
PR789	Vehicle storage - unclassified	7	2	0	257,447
	Subtotal	**97**	**7**	**1**	**2,001,573**
Miscellaneous Storage Properties					
PR791	General warehouse	15	1	0	347,007
PR794	Freight terminal	1	0	0	1,300
PR798	Pier, wharf, storage in open area	1	0	0	1,500
PR799	Miscellaneous storage properties - unclassified	13	0	0	298,296
	Subtotal	**30**	**1**	**0**	**648,103**
Outdoor Property					
PR811	Brush, grass and light ground cover	41	0	0	15,385
PR813	Trees	34	0	0	41,575
PR814	Fences, poles, railroad ties	30	0	0	42,922
PR815	Trash and rubbish	168	1	0	33,365
PR816	Mailboxes	14	0	0	1,871
PR819	Outdoor property - unclassified	45	3	0	128,997
	Subtotal	**332**	**4**	**0**	**264,115**
Special Connecting Thoroughfares					
PR821	Bridge, trestle, overpass, elevated road and railway	1	1	0	500
PR822	Tunnel	2	0	0	111,200
PR829	Special connecting thoroughfares - unclassified	1	0	0	500
	Subtotal	**4**	**1**	**0**	**112,200**
Under Construction or Demolition (vacant)					
PR831	Buildings under construction	2	0	0	3,700
PR832	Buildings under demolition	1	0	0	30,000
PR833	Construction, other than buildings	1	0	0	3,200

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
PR835	Vacant property	20	0	0	145,775
PR836	Unoccupied property	3	0	0	52,001
PR837	Contractors' sheds	3	0	0	4,900
PR839	Under construction or demolition - unclassified	3	0	0	2,501
	Subtotal	**33**	**0**	**0**	**242,077**
Watercraft					
PR841	Motor craft (20m and under)	17	1	0	547,000
PR842	Vessel (under 1,000gt)	1	0	0	1,000
PR843	Ship, passenger	3	0	0	81,250
PR845	Ship, combat	1	0	0	650
PR847	Non self-propelled vessel	1	0	0	50,000
PR848	Commercial fishing vessel	6	0	0	37,500
PR849	Watercraft - unclassified	11	1	0	64,550
	Subtotal	**40**	**2**	**0**	**781,950**
Rail Transport Vehicle and Equipment					
PR853	Railway car: freight	1	0	0	8,000
PR854	Locomotive, engine, and other power unit	2	0	0	3,500
PR858	Railway yard	1	0	0	500
PR859	Rail transport vehicle and equipment - unclassified	1	0	0	140,000
	Subtotal	**5**	**0**	**0**	**152,000**
Ground Transport Vehicle					
PR861	Automobile (includes ambulance, pickup truck, van)	2,619	17	1	13,198,370
PR862	Bus, trackless trolley	13	1	0	233,700
PR863	Truck, tanker, compressed or liquified petroleum gas and propane	3	0	0	5,610
PR864	Truck, tanker, flammable liquid, chemical tank, includes gasoline tanker	18	1	0	96,789
PR865	Truck, general, includes tanker with non-flammable cargo and delivery trucks	74	1	0	1,104,316
PR866	Motorcycle	14	0	0	50,200
PR867	Wagon, non-motorized hauling vehicle	5	0	0	168,000
PR868	Industrial or commercial trailer	36	0	1	956,692
PR869	Ground transport vehicle - unclassified	11	0	0	32,975
	Subtotal	**2,793**	**20**	**2**	**15,846,652**

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
Aircraft					
PR871	Aircraft, private	1	0	0	1,000
	Subtotal	**1**	**0**	**0**	**1,000**
Special Vehicles					
PR881	Construction equipment	13	0	0	468,120
PR882	Farm tractor and equipment	16	0	0	170,333
PR883	Crane, mobile and fixed	1	0	0	8,000
PR884	Industrial truck: Fork lift and material handling	9	0	0	120,847
PR886	Snowmobile	5	0	0	30,844
PR887	Logging equipment	9	0	0	585,249
PR889	Special vehicle - unclassified or unknown	17	0	0	968,947
	Subtotal	**70**	**0**	**0**	**2,352,340**
Miscellaneous Special Property					
PR891	Pier, wharf	3	0	0	251,050
	Subtotal	**3**	**0**	**0**	**251,050**
Laboratories					
PR912	Laboratory: Physical, material testing hydraulics	1	0	0	1,750
PR919	Laboratories - unclassified or unknown	1	0	0	100
	Subtotal	**2**	**0**	**0**	**1,850**
Farm Facilities					
PR921	Poultry, egg production	3	0	0	183,000
PR922	Cow and cattle production	6	0	0	74,000
PR923	Storage barn	29	1	0	2,325,700
PR924	Animal barn, cattle, pigs, horses	7	2	0	1,550,500
PR925	Crops, orchards, straw stacks	2	0	0	16,000
PR928	Farm silo	1	0	0	3,300
PR929	Farm facility - unclassified	11	0	0	256,262
	Subtotal	**59**	**3**	**0**	**4,408,762**
Miscellaneous Outbuildings					
PR931	Shed	50	0	1	518,270
PR932	Privy	31	0	0	59,968
PR933	Toll station or booth	1	0	0	4,000
PR934	Awning, canopy	2	0	0	2,000
PR935	Shelter - storm and weather, bomb or fallout	1	0	0	1,000

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
PR938	Telephone booth	1	0	0	200
PR939	Miscellaneous outbuildings - unclassified	26	1	0	548,550
	Subtotal	**112**	**1**	**1**	**1,133,988**
Utility					
PR941	Electrical light and power generating plant	2	0	0	38,000
PR942	Electric light & power distribution system	19	0	0	85,275
PR943	Gas manufacturing plant	1	0	0	2,500
PR944	Gas distribution system, pipeline	1	0	0	20
PR946	Water supply system	3	0	0	9,200
PR947	Sanitary service	1	0	0	200
PR949	Utility - unclassified	7	0	0	25,560
	Subtotal	**34**	**0**	**0**	**160,755**
Cement, Glass, Pottery, Manufacturing					
PR953	Glass container manufacturing	1	0	0	50,000
PR956	Cement batch mixing plant	1	0	0	40,000
	Subtotal	**2**	**0**	**0**	**90,000**
Mining, Quarrying					
PR963	Metal ore mine	1	0	0	4,500
	Subtotal	**1**	**0**	**0**	**4,500**
Communications					
PR972	Radio, radar site	1	0	0	5,000
PR979	Communications - unclassified	1	0	0	1,000
	Subtotal	**2**	**0**	**0**	**6,000**
Nucleonics					
PR981	Radioactive materials, handled in bulk	1	0	0	10,000
	Subtotal	**1**	**0**	**0**	**10,000**
Miscellaneous					
PR996	Groundskeeping equipment	5	0	0	20,250
	Subtotal	**5**	**0**	**0**	**20,250**
	TOTALS	**6,669**	**333**	**30**	**153,788,042**

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
PT	**Property Type**				
PT000	Cannot be determined	604	3	1	7,036,483
PT001	Building - single occupancy	2,606	276	25	106,205,937
PT002	Building - multiple occupancy	301	21	3	14,717,524
PT003	Vehicle	2,540	25	1	17,115,907
PT004	Open structure	50	1	0	1,084,149
PT006	Outdoor area	379	4	0	2,813,833
PT007	Underground structure, mine	2	0	0	24,000
PT008	Pier, wharf,	12	0	0	286,400
PT009	Property type - unclassified	175	3	0	4,503,809
	TOTALS	**6,669**	**333**	**30**	**153,788,042**
SD	**Smoke Alarm Operation**				
SD000	No smoke alarm installed	1,559	84	8	53,081,336
SD001	Alarm activated - assisted occupants in evacuating	320	53	2	12,494,716
SD002	Alarm activated - inaudible	11	1	0	7[illegible],200
SD003	Alarm activated - occupants unable to respond	18	8	1	334,755
SD004	Alarm activated - unnecessary to evacuate	197	17	0	4,821,881
SD005	Alarm activated - occupant action unknown	83	9	2	2,878,979
SD006	Alarm not activated - unsuitable location	84	8	0	4,254,569
SD007	Alarm not activated - no or dead battery	59	4	2	1,202,109
SD008	Alarm not activated - AC power not connected or off	31	3	0	900,220
SD009	Alarm not activated - mechanical failure	15	1	0	255,222
SD010	Alarm not activated - unknown	218	21	2	4,655,184
SD011	Not applicable e.g. outside area	3,465	46	3	32,268,697
SD099	Smoke alarm operation unknown	609	78	10	35,930,174
	TOTALS	**6,669**	**333**	**30**	**153,788,042**
SP	**Sprinkler Protection**				
SP000	Cannot be determined	662	7	1	8,470,956
SP001	Complete sprinkler protection - supervised or standard watchperson	95	7	0	3,767,687
SP002	Complete sprinkler protection - alarm to fire department	73	6	0	737,946

CODE	DESCRIPTION	FIRES	INJURED	DEATHS	$ LOSS
SP003	Complete sprinkler protection - unsupervised, local alarms only	138	10	0	1,713,987
SP004	Partial sprinkler protection - supervised or standard watchperson	14	0	0	309,050
SP005	Partial sprinkler protection - alarm to fire department	6	0	1	118,650
SP006	Partial sprinkler protection - unsupervised, local alarms only	62	11	0	4,418,532
SP007	No sprinkler protection	2,326	243	24	107,376,454
SP008	Not applicable (e.g. vehicle, outside area)	3,282	46	4	26,482,930
SP009	Sprinkler Protection - unclassified	11	3	0	391,850
	TOTALS	**6,669**	**333**	**30**	**153,788,042**

TI Time of Day

TI000	Time 0000-0059 hrs	318	12	4	8,601,773
TI001	Time 0100-0159 hrs	341	12	0	8,222,489
TI002	Time 0200-0259 hrs	271	12	6	10,694,459
TI003	Time 0300-0359 hrs	306	16	0	6,737,197
TI004	Time 0400-0459 hrs	240	13	1	8,994,880
TI005	Time 0500-0559 hrs	180	22	0	9,316,212
TI006	Time 0600-0659 hrs	143	9	1	7,193,253
TI007	Time 0700-0759 hrs	172	5	1	2,262,247
TI008	Time 0800-0859 hrs	164	13	2	2,580,471
TI009	Time 0900-0959 hrs	216	15	0	2,999,125
TI010	Time 1000-1059 hrs	198	11	1	5,121,516
TI011	Time 1100-1159 hrs	245	20	0	5,467,169
TI012	Time 1200-1259 hrs	274	21	1	6,626,052
TI013	Time 1300-1359 hrs	300	14	0	5,102,304
TI014	Time 1400-1459 hrs	311	12	0	7,130,380
TI015	Time 1500-1559 hrs	288	15	1	4,655,961
TI016	Time 1600-1659 hrs	309	13	0	5,398,543
TI017	Time 1700-1759 hrs	320	14	2	4,118,804
TI018	Time 1800-1859 hrs	330	11	0	10,626,687
TI019	Time 1900-1959 hrs	327	21	0	4,645,495
TI020	Time 2000-2059 hrs	294	14	1	6,366,909
TI021	Time 2100-2159 hrs	331	14	2	6,765,547
TI022	Time 2200-2259 hrs	312	14	2	7,789,329
TI023	Time 2300-2359 hrs	304	10	5	4,467,911
TI099	Time unknown	175	0	0	1,903,329
	TOTALS	**6,669**	**333**	**30**	**153,788,042**

Section 6

Summary Fire Loss Tables

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10-YEAR PROPERTY FIRE LOSS COMPARISON, 1989 - 1998

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Number of Fires	7,280	7,455	7,671	7,660	7,562	7,435	7,281	7,487	6,384	6669
Dollar Loss	$181,071,119	$171,481,379	$174,991,021	$165,114,232	$174,386,218	$172,690,628	$145,588,733	$164,106,038	$202,267,565	153,788,042
Loss per Fire	$24,872	$23,002	$22,812	$21,555	$23,269	$23,227	$19,996	$21,919	$31,684	$23,060
Population (thousands)*	3,055.6	3,131.7	3,282.1	3,371.4	3,532.7	3,668.4	3,764.2	3,857.6	3,933.3	4,002.8
No. of Fires/1000 Persons	2.38	2.38	2.34	2.27	2.14	2.03	1.93	1.94	1.62	1.67
Per Capita Loss	$59.26	$54.76	$53.32	$48.98	$49.36	$47.08	$38.68	$42.54	$51.42	$38.42
Persons Injured	387	464	416	479	409	428	414	432	373	333
Fire Deaths	58	51	43	47	33	30	36	27	41	30
Deaths/100,000 Persons	1.90	1.63	1.31	1.39	0.93	82	.96	.70	1.04	0.75

* Population statistics were provided by Statistics Canada. The figures for 1991 and 1996 are actual census figures. The others are estimates by Statistics Canada.

SUMMARY OF FIRE LOSSES BY PROPERTY GROUPS, 1998

Property Class. Codes	Property Group	No. of Fires	Per Cent of Total Fires	$ Loss	Per Cent of Total $ Loss	No. Injured	Per Cent of total Injured	No. Dead	Per Cent of Total Dead
	Assembly								
131-139	Educational	97	1.5	980,176	0.7	1	0.3	0	0.0
172-173	Nightclub, tavern	14	0.2	448,635	0.3	1	0.3	0	0.0
171, 174, 179	Restaurant, eating establishment	78	1.1	4,720,261	3.1	7	2.1	0	0.0
111-129, 141-169 and 181-199	Others	81	1.3	4,029,475	2.6	2	0.6	0	0.0
	Institutional								
221-229	Home for the aged	5	0.1	108,505	0.1	0	0.0	0	0.0
231-249	Hospital, day-centre, home	9	0.2	280,120	0.1	1	0.3	0	0.0
211-219, 299	Others	13	0.2	39,650	0.0	1	0.3	0	0.0
	Residential								
311-319	One & two-family dwelling	1,558	23.3	50,853,017	33.0	164	49.3	15	50.0
321-329	Apartment	478	7.1	14,013,535	9.1	70	21.0	4	13.5
331-359	Hotel, motel, rooming house	97	1.5	3,091,882	2.0	19	5.7	0	0.0
361-369	Dormitory	8	0.2	78,950	0.1	0	0.0	0	0.0
371	Mobile Home	82	1.2	3,016,790	1.9	2	0.6	6	20.0
373-376	Recreational vehicle	67	1.0	977,330	0.7	3	0.9	1	3.3
372, 377-399	Others	42	0.6	925,910	0.6	0	0.0	0	0.0
411-499	**Business and Personal Service**	56	0.9	4,197,948	2.7	3	0.9	0	0.0
511-599	**Mercantile**	160	2.4	14,475,611	9.5	10	3.0	0	0.0
611-699	**Industrial Manufacturing**	146	2.2	14,757,156	9.6	8	2.4	0	0.0
711-799	**Industrial Storage**								
	Miscellaneous	179	2.6	10,953,602	7.1	10	3.0	1	3.3
811-829, 891	Outdoor property, pier, wharf	339	5.0	627,365	0.4	5	1.5	0	0.0
841-849	Watercraft	40	0.6	781,950	0.5	2	0.6	0	0.0
851-859	Rail transport and equipment	5	0.1	152,000	0.1	0	0.0	0	0.0
861	Automobile	2,619	39.3	13,198,370	8.5	17	5.1	1	3.3
862-869, 881-889	Other ground trans. & special veh.	244	3.7	5,000,622	3.3	3	0.9	1	3.3
871-879	Aircraft	1	0.0	1,000	0.0	0	0.0	0	0.0
831-839, 899 or 911-999	Others	251	3.7	6,078,182	4.0	4	1.2	1	3.3
		6,669	**100.0**	**153,788,042**	**100.0**	**333**	**100.0**	**30**	**100.0**

ARSON LOSSES BY PROPERTY GROUP, 1998

Property Class. Codes	Property Group	No. of Arson Fires 1997	No. of Arson Fires 1998	Incidence Of Arson within Prop. Group (%) 1998	% of All Arson Fires in B.C. 1998	Dollar Loss 1997	Dollar Loss 1998	% of Total $ Loss 1998
	Assembly							
131-139	Educational	74	80	82.5	4.3	592,390	882,376	2.4
172-173	Nightclub, tavern	4	6	42.9	.3	1,600	256,425	0.7
171, 174, 179	Restaurant, eating establishment	13	18	23.1	1.0	996,650	1,158,981	3.1
111-129, 141-169 or 181-199	Other	40	45	56.6	2.4	3,696,815	2,355,850	6.3
	Institutional							
221-229	Home for the aged	2	1	20.0	0.1	38,050	59,727	0.2
231-249	Hospital, day-centre, home	3	3	33.3	0.1	30,600	4,200	0.0
211-219, 299	Other	6	6	46.2	0.3	55,600	17,450	0.0
	Residential							
311-319	One & two-family dwelling	184	222	14.2	12.1	6,426,609	9,236,306	24.9
321-329	Apartment	86	92	19.2	5.0	1,500,711	2,469,157	6.7
331-359	Hotel, motel, rooming house	23	16	16.5	0.9	2,348,842	161,438	0.4
361-369	Dormitory	0	3	37.5	0.1	0	68,500	0.2
371	Mobile Home	6	16	19.5	0.9	97,600	464,089	1.3
373-376	Recreational vehicle	16	16	23.9	0.9	132,800	308,574	0.8
372, 377-399	Other	5	8	38.1	0.5	442,050	18,600	0.1
411-499	**Business and Personal Service**	33	23	53.5	1.2	2,755,416	2,678,798	7.2
511-599	**Mercantile**	39	56	35.0	3.0	1,613,292	3,454,860	9.3
611-699	**Industrial Manufacturing**	5	8	5.5	0.5	1,286,100	312,948	0.8
711-799	**Industrial Storage**							
	Miscellaneous	55	64	35.8	3.5	1,665,806	4,428,728	11.9
811-829, 891	Outdoor property, pier, wharf	229	178	52.5	9.6	332,827	395,741	1.1
841-849	Watercraft	4	9	22.5	0.5	16,100	98,650	0.3
851-859	Rail transport and equipment	1	2	40.0	0.1	10,000	140,500	0.4
861	Automobile	764	839	32.0	45.6	5,182,733	6,303,736	17.0
862-869, 881-889	Other ground trans. & special veh.	42	36	14.8	2.0	919,796	571,783	1.5
871-879	Aircraft	0	0	0.0	0.0	0	0	0.0
831-839, 899 or 911-999	Others	119	94	37.5	5.1	681,427	1,277,675	3.4
		1,753	**1,841**		**100.0**	**30,823,814**	**37,125,092**	**100.0**

FIRES WITH LOSS OF $500,000 OR MORE

DATE	LOCATION	PROPERTY CLASSIFICATION	ACT OR OMISSION	$ LOSS	INJ	DEATHS
980101	Nelson	Country Club	Cannot be Determined	878,000	1	0
980103	Sorrento	Ballroom, Gymnasium	Cannot be Determined	500,000	0	0
980108	Vancouver	Hotel, Inn, Lodge: Year-round use	Torch too Close	850,000	0	0
980115	Vancouver	Food or Beverage Establishment - Unclassified	Cannot be Determined	850,000	0	0
980123	Lillooet	Social, Sport Club - Unclassified	Suspected Set Fire - Motive Unknown	1,002,000	0	0
980125	Richmond	Ice Rink	Arson or Set Fire - Motive Unknown	750,000	0	0
980202	Prince Rupert	Basic Metal Products Manufacturing	Welding or Cutting too Close	1,000,000	1	0
9802009	Kelowna	Restaurant	Cannot be Determined	700,000	1	0
980210	Harrison Lake East	Maintenance Shop, General	Cannot be Determined	1,250,000	0	0
980214	Surrey	Variety Store - Small	Cannot be Determined	1,177,000	0	0
980214	Victoria	General Business Office	Cannot be Determined	880,000	0	0
980216	Richmond	Furniture Repair or Upholstery without Sales	Cannot be Determined	527,500	0	0
980224	North Vancouver City	Sporting Goods Sales, Bicycle Sales and Repairs	Human Failing - Unclassified	632,000	0	0
980228	North Pender Island	Variety Store - Small	Cannot be Determined	500,000	0	0
980301	Vancouver	Miscellaneous Business and Personal Service - Unclassified	Arson or Set Fire - Motive Unknown	670,000	2	0
980323	Coquitlam City	Felled Timber, Log Storage	Cannot be Determined	620,000	0	0

DATE	LOCATION	PROPERTY CLASSIFICATION	ACT OR OMISSION	$ LOSS	INJ	DEATHS
980401	Surrey	Animal Barn, Cattle, Pigs, Horses	Cannot be Determined	1,042,000	0	0
980403	Vancouver	Dwelling Year-round Use (1 Family)	Accident	600,000	0	0
980410	Richmond	Packaged Foodstuffs Storage	Cannot be Determined	795,000	0	0
980414	Vancouver	General Business Office	Arson or Set Fire - Motive Unknown	890,000	0	0
980419	Whistler	Hotel, Inn, Lodge: Transient Dormitory Type	Cannot be Determined	567,000	0	0
980423	Burnaby	Plastic Manufacture	Ignorance of Hazard	1,200,000	0	0
980423	Penticton	Furniture, Bedding Manufacture	Welding or Cutting too Close	675,000	1	0
980429	Chilliwack	Agricultural Supply Storage	Arson or Set Fire - Vandalism Mischief	1,329,000	0	0
980506	Surrey	Food, Beverage Sale - Unclassified	Arson or Set Fire - Motive Unknown	800,000	0	0
980511	Burnaby	Scrap and Junkyards	Suspected Set Fire - Motive Unknown	1,600,000	0	0
980513	Burnaby	Appliance Store	Part Failure, Leak, Break	2,000,000	0	0
980513	Fort St. John	Books, Newspapers, Drugs - Unclassified	Cannot be Determined	1,030,500	0	0
980527	McBride	Sawmill, Planing Mill	Miscellaneous Act or Omission - Unclassified	600,000	0	0
980602	Prince George	Sawmill, Planing Mill	Welding or Cutting too Close	550,000	0	0
980610	Kelowna	Motor Vehicle Repairs	Arson or Set Fire - Motive Unknown	500,000	0	0
980614	Vancouver	Apartment, Townhouse: Over 20 Units	Suspected Set Fire - Motive Unknown	600,000	1	0
980615	Bulkely-Nechako R.D.	Sawmill, Planing Mill	Cannot be Determined	1,000,000	0	0
980622	Parksville	Apartment, Townhouse: 3-20 Units without Business	Suspected Faulty Connections Involving copper wiring	1,635,000	1	0
980630	Langley Township	Boxed, Crated or Packaged Agricultural Products Storage	Cannot be Determined	500,000	0	0
980721	Surrey	Apartment, Townhouse: Over 20 Units	Cannot be Determined	2,990,000	0	0

DATE	LOCATION	PROPERTY CLASSIFICATION	ACT OR OMISSION	$ LOSS	INJ	DEATHS
980802	Abbotsford	Seeds, Beans, Nuts, Grain Storage in Bulk	Miscellaneous Act or Omission - Unclassified	1,250,000	0	0
980808	Abbotsford	Plastic Products Manufacture	Electrical Short Circuit	650,000	0	0
980821	Nakusp Rural	Sawmill, Planing Mill	Cannot be Determined	1,000,000	0	0
980829	Merritt	Variety Store - Large	Cannot be Determined	552,500	1	0
981009	Langley Township	Storage Barn	Cannot be Determined	540,000	0	0
981015	Princeton	Wood, Furniture, Paper, Printing Manufacturing - Unclassified	Distracted, Preoccupied	700,000	0	0
981024	Kelowna	Slaughtering, Preparation, Preserving of Meat	Misuse of Source of Ignition - Unclassified	1,300,000	0	0
981028	Port Coquitlam	Apartment, Townhouse: Over 20 Units	Torch too Close	550,000	0	0
981028	Vancouver	Restaurant	Torch too Close	725,000	1	0
981115	Delta	Apartment, Townhouse: Over 20 Units	Accident	604,500	4	0
981213	Vancouver	Supermarket	Arson or Set Fire - Motive Unknown or Unclassified	500,000	1	0
981218	Mission	Sawmill, Planing Mill	Accident	1,220,000	0	0